Service
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Service Manual

Horizontal Frequency
30-83 KHz

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SAFETY NOTICE

ANY PERSON ATTEMPTING TO SERVICE THIS CHASSIS MUST FAMILIARIZE HIMSELF WITH THE CHASSIS AND BE AWARE OF THE NECESSARY SAFETY PRECAUTIONS TO BE USED WHEN SERVICING ELECTRONIC EQUIPMENT CONTAINING HIGH VOLTAGES.

CAUTION: USE A SEPARATE ISOLATION TRANSFOMER FOR THIS UNIT WHEN SERVICING

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Revision List

Version	Release Date	Revision History	TPV Model Name
A00	Feb.02, 2008	Initial release	T97SMLNCUWACHN
A01	Mar.05,2008	Add new BOM	T97SMLNLUWMKHZ
A02	Mar.16,2008	Add new BOM	T97SMLNMUWSDHN
A03	May.05,2008	Add new BOM	T97SMLDTUWWRHZ
A04	Jul.03,2008	Add new BOM	T97SMLNCUWA2HN

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Important Safety Notice

Proper service and repair is important to the safe, reliable operation of all AOC Company Equipment. The service procedures recommended by AOC and described in this service manual are effective methods of performing service operations. Some of these service operations require the use of tools specially designed for the purpose. The special tools should be used when and as recommended.

It is important to note that this manual contains various CAUTIONS and NOTICES which should be carefully read in order to minimize the risk of personal injury to service personnel. The possibility exists that improper service methods may damage the equipment. It is also important to understand that these CAUTIONS and NOTICES ARE NOT EXHAUSTIVE. AOC could not possibly know, evaluate and advise the service trade of all conceivable ways in which service might be done or of the possible hazardous consequences of each way. Consequently, AOC has not undertaken any such broad evaluation. Accordingly, a servicer who uses a service procedure or tool which is not recommended by AOC must first satisfy himself thoroughly that neither his safety nor the safe operation of the equipment will be jeopardized by the service method selected.
Hereafter throughout this manual, AOC Company will be referred to as AOC.

WARNING

Use of substitute replacement parts, which do not have the same, specified safety characteristics may create shock, fire, or other hazards.

Under no circumstances should the original design be modified or altered without written permission from AOC. AOC assumes no liability, express or implied, arising out of any unauthorized modification of design.
Servicer assumes all liability.

FOR PRODUCTS CONTAINING LASER:
DANGER-Invisible laser radiation when open AVOID DIRECT EXPOSURE TO BEAM.
CAUTION-Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.
CAUTION -The use of optical instruments with this product will increase eye hazard.

TO ENSURE THE CONTINUED RELIABILITY OF THIS PRODUCT, USE ONLY ORIGINAL MANUFACTURER'S REPLACEMENT PARTS, WHICH ARE LISTED WITH THEIR PART NUMBERS IN THE PARTS LIST SECTION OF THIS SERVICE MANUAL.
Take care during handling the LCD module with backlight unit
-Must mount the module using mounting holes arranged in four corners.
-Do not press on the panel, edge of the frame strongly or electric shock as this will result in damage to the screen.
-Do not scratch or press on the panel with any sharp objects, such as pencil or pen as this may result in damage to the panel.
-Protect the module from the ESD as it may damage the electronic circuit (C-MOS).
-Make certain that treatment person’s body is grounded through wristband.
-Do not leave the module in high temperature and in areas of high humidity for a long time.
-Avoid contact with water as it may a short circuit within the module.
-If the surface of panel becomes dirty, please wipe it off with a soft material. (Cleaning with a dirty or rough cloth may damage the panel.)

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1. Monitor Specifications

LCD Panel	Model number	917Vw
	Driving system	TFT Color LCD
	Viewable Image Size	481mm
	Pixel pitch	0.2835mm(H) x 0.2835mm(V)
	Video	R, G, B Analog Interface
		Digital Interface
	Separate Sync.	H/V TTL
	Display Color	16.7M Colors
	Max. Dot Clock	135 MHz
Resolution	Horizontal scan range	30 kHz - 83 kHz
	Horizontal scan Size(Maximum)	408.24mm
	Vertical scan Size(Maximum)	255.15mm
	Vertical scan range	55 Hz - 75 Hz
	Optimal preset resolution	1440 x 900 (60 Hz)
	Highest preset resolution	1440 x 900 (60 Hz)
	Plug & Play	VESA DDC2B/CI
	Input Connector	D-Sub 15pin
		DVI 24pin
	Input Video Signal	Analog: 0.7Vp-p(standard), 75 OHM, Positive
	Power Source	100~240VAC, 47~63Hz
	Power Consumption	Active < 37W
		Standby < 1W
Environmental	Temperature:	
	Operating	0° to 40°
	Non-Operating	-20°to 60°
	Humidity:	
	Operating	15% to 90% (non-condensing)
	Non-Operating	15% to 90% (non-condensing)
	Altitude:	
	Operating	0~ 2439m (0~ 8000 ft)
	Non-Operating	0~ 12192m (0~ 40000 ft)

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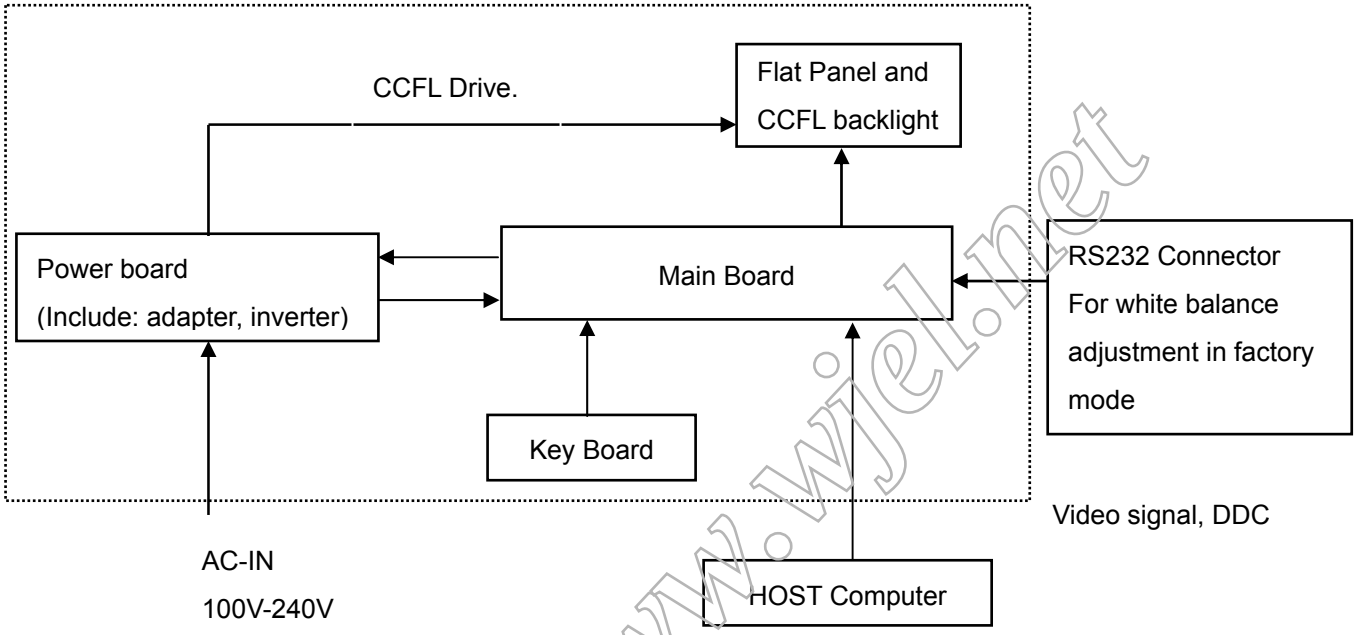
2. LCD Monitor Description

The LCD monitor will contain a main board, a power board and a key board which house the flat panel control logic, brightness control logic and DDC.

The power board will provide AC to DC Inverter voltage to drive the backlight of panel and the main board chips each voltage.

Monitor Block Diagram



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3. Operating Instructions

3.1 General Instructions

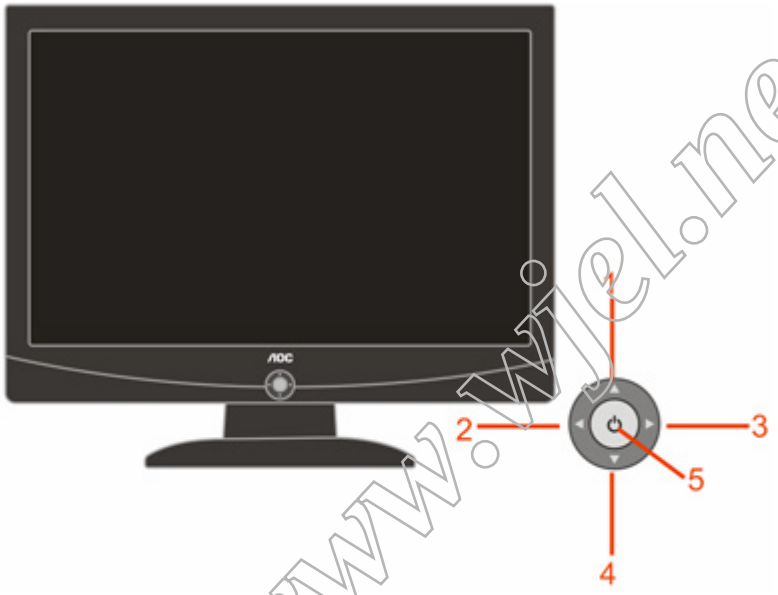
Press the power button to turn the monitor on or off. The other control buttons are located at the front of the panel of the monitor.

By changing these settings, the picture can be adjusted to your personal preferences.

- The power cord should be connected.
- Connect the video cable from the monitor to the video card.
- Press the power button to turn on the monitor, the power indicator will light up.

3.2 Control Buttons

3.2.1 Key Control



1. Eco Mode / Up 2. Exit / - 3. Menu / + 4. Auto / Down 5. Power on/off

3.2.2 Key Function

1) Press the MENU-button (▶) to activate the OSD window.
2) Press▼ or ▲to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate sub-menu . Once the desired function is highlighted, press MENU-button to activate it.
3) Press ▶or ◀to change the settings of the selected function. Press ▼or ▲to select another function in sub-menu . Press AUTO(◀) to exit . If you want to adjust any other function, repeat steps 2-3.
4) OSD Lock Function: To lock the OSD, press and hold the MENU button while the monitor is off and then press power button to turn the monitor on. To un-lock the OSD - press and hold the MENU button while the monitor is off and then press power button to turn the monitor on.
5) Eco Mode hot key (▲) : Press the Eco key continuously to select the Eco mode of brightness when there is no OSD (Eco mode hot key may not be available in all models).
6) Volume adjustment hot key : When there is no OSD , press Volume (▼) to active volume adjustment bar, press ▶ or ◀to adjust volume (Only for the models with speakers).

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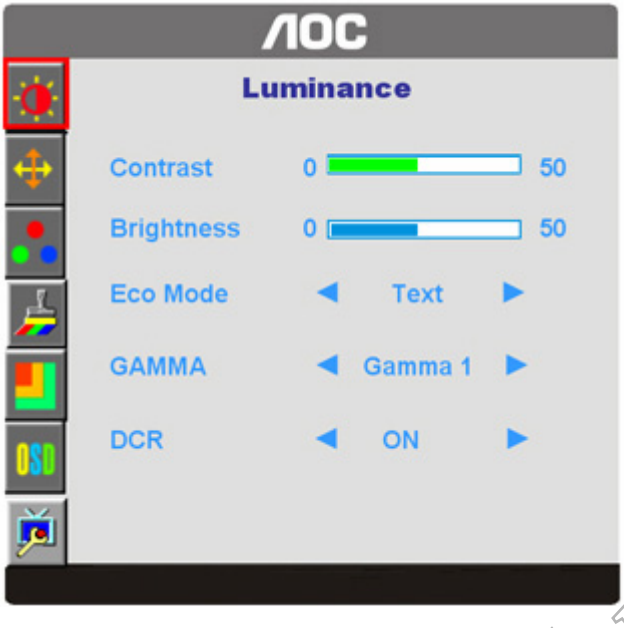
3.3 OSD Menu



OSD Function Introduction

	Luminance	Adjust Range	Description
	Brightness	0-100	Backlight Adjustment
	Contrast	0-100	Contrast from Digital-register
	Eco mode	Standard	Standard Mode
		Text	Text Mode
		Internet	Internet Mode
		Game	Game Mode
		Movie	Movie Mode
		Sports	Sports Mode
	Gamma	Gamma1	Adjust to Gamma 1
		Gamma2	Adjust to Gamma 2
		Gamma3	Adjust to Gamma 3
	DCR	Off	Disable dynamic contrast ratio
		On	Enable dynamic contrast ratio
	Image Setup		
	Clock	0-100	Adjust picture Clock to reduce Vertical-Line noise.
	Focus	0-100	Adjust Picture Phase to reduce Horizontal-Line noise
	H.Position	0-100	Adjust the horizonal position of the picture.
	V.Position	0-100	Adjust the vertical position of the picture
	Color Temp.		
	Warm		Recall Warm Color Temperature from EEPROM.
	Normal		Recall Normal Color Temperature from EEPROM.

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	Cool		Recall Cool Color Temperature from EEPROM.
	sRGB		Recall SRGB Color Temperature from EEPROM.
	User	User-B	Blue Gain from Digital-register
		User-G	Green Gain Digital-register.
		User-R	Red Gain from Digital-register
		User-Y	Yellow Gain from Digital-register
		User-C	Cyan Gain from Digital-register
	Color Boost		
	Full Enhance	on or off	Disable or Enable Full Enhance Mode
	Nature Skin	on or off	Disable or Enable Nature Skin Mode
	Green Field	on or off	Disable or Enable Green Field Mode
	Sky-blue	on or off	Disable or Enable Sky-blue Mode
	AutoDetect	on or off	Disable or Enable AutoDetect Mode
	Demo	on or off	Disable or Enable Demo
	Picture Boost		
	Frame Size	0-100	Adjust Frame Size
	Brightness	0-100	Adjust Frame Brightness
	Contrast	0-100	Adjust Frame Contrast
	Hue	0-100	Adjust Frame Hue
	Saturation	0-100	Adjust Frame Saturation
	Position	H. position	Adjust Frame horizontal Position
		V.position	Adjust Frame vertical Position
	OSD Setup		
	H.Position	0-100	Adjust the horizontalposition of OSD
	V.Position	0-100	Adjust the vertical position of OSD
	Timeout	0-100	Adjust the OSD Timeout
	Language		Select the OSD language
	Extra		
	Auto Config	yes or no	Auto adjust the picture to default
	Reset	yes or no	Reset the menu to default
	DDC-CI		Turn ON/OFF DDC-CI Support
	Information		Show the information of the main image and sub-image source

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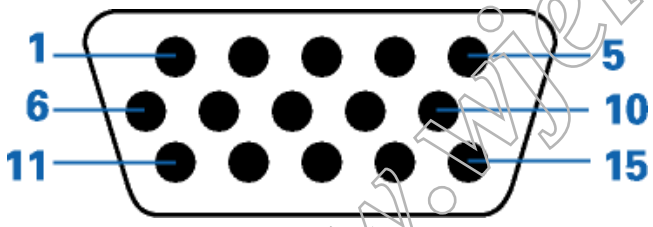
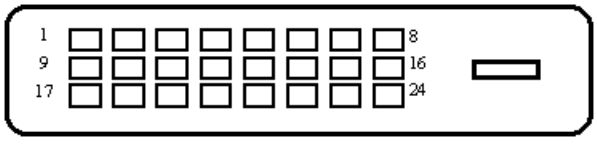
4. Input/Output Specification

4.1 Input Signal Connector

Analog connectors

Pin No.	Description	Pin No.	Description
1.	Red Video	9.	No Pin
2.	Green Video	10.	Logic Ground
3.	Blue Video	11.	Monitor Ground
4.	Monitor Ground	12.	DDC-Serial Data
5.	DDC-Return	13.	H-Sync
6.	Red Ground	14.	V-Sync
7.	Green Ground	15.	DDC-Serial Clock
8.	Blue Ground		
VGA connector layout			
			

DVI connectors

Pin No.	Description	Pin No.	Description	Pin No.	Description
1.	TMDS Data2-	9.	TMDS Data1-	17.	TMDS Data0-
2.	TMDS Data2+	10.	TMDS Data1+	18.	TMDS Data0+
3.	TMDS Data 2/4 Shield	11.	TMDS Data 1/3 Shield	19.	TMDS Data 0/5 Shield
4.	TMDS Data4-	12.	TMDS Data3-	20.	TMDS Data5-
5.	TMDS Data4+	13.	TMDS Data3+	21.	TMDS Data5+
6.	DDC Clock	14.	+5V Power	22.	TMDS Clock Shield
7.	DDC Data	15.	Ground(for+5V)	23.	TMDS Clock+
8.	N.C.	16.	Hot Plug Detect	24.	DDC TMDS Clock-
					

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4.2 Power Supply Requirements

A/C Line voltage range	100 V ~ 240 V
A/C Line frequency range	50 ± 3Hz, 60 ± 3Hz
Current	1.5A max at 100V; 0.8A max at 240 V
Peak surge current	< 55A peak at 240 VAC and cold starting
Leakage current	< 3.5mA
Power line surge	No advance effects (no loss of information or defect) with a maximum of 1 half-wave missing per second
DC output Voltage	: 5VDC ± 5%; 12VDC± 5%
CURRENT	1.5Amp (5V) ；2 Amp (12V)

4.3 Factory Preset Display Modes

Stand	Resolution	Horizontal Frequency(Khz)	Vertical Frequency(Hz)
Dos-mode	720 × 400	31.47kHz	70.0Hz
VGA	640 × 480	31.47kHz	60.0Hz
	640 × 480	37.50kHz	75.0Hz
SVGA	800 × 600	37.879kHz	60.0Hz
	800 × 600	46.875kHz	75.0Hz
XGA	1024 × 768	48.363kHz	60.0Hz
	1024 × 768	56.476kHz	70.0Hz
	1024 × 768	60.021kHz	75.0Hz
SXGA	1280 × 1024	64.000kHz	60.0Hz
	1280 × 1024	80.000kHz	75.0Hz
WXGA	1440 × 900	55.935kHz	59.8Hz

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4.4 Panel Specification

4.4.1 General Features

LTM190M2-L31 is a color active matrix liquid crystal display (LCD) that uses amorphous silicon TFT(Thin Film Transistor) as switching components. This model is composed of a TFT LCD panel, a driver circuit and a back light unit. The resolution of a 19.0" is 1440 x 900 and this model can display up to 16.7 millions colors.

- High contrast ratio, high aperture structure
- TN (Twisted Nematic) mode
- Wide Viewing Angle
- High speed response
- WXGA+ (1440 x 900 pixels) resolution
- Low power consumption
- 2 dual CCFTs (Cold Cathode Fluorescent Tube)
- DE (Data Enable) only mode
- LVDS (Low Voltage Differential Signaling) interface (2pixel/clock)
- Compact Size Design
- RoHS compliance
- TCO'03 compliance

4.4.2 Display Characteristics

Items	Specification	Unit
Pixel Pitch	0.2835(H) x 0.2835(W)	mm
Active Display Area	408.24(H) x 255.15(V)	mm
Surface Treatment	Haze 25% , Hard-coating (3H)	
Display Colors	16.7M (Hi-FRC)	colors
Number of Pixels	1440 x 900	pixel
Pixel Arrangement	RGB vertical stripe	
Display Mode	Normally White	
Luminance of White	300(Typ.)	cd/㎡

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4.4.3 Optical Characteristics

Item		Symbol	Condition	Min.	Typ.	Max.	Unit
Contrast Ratio (Center of screen)		C/R		600	1000	-	
Response Time	Rising	Tr		-	1.3	4	msec
	Falling	Tf		-	3.7	6	msec
Luminance of White (Center of screen)		Y_L		250	300	-	cd/m2
Color Chromaticity (CIE 1931)	Red	Rx	Normal $\theta_{L,R}=0$ $\theta_{U,D}=0$ Viewing Angle	0.610	0.640	0.670	
		Ry		0.300	0.329	0.360	
	Green	Gx		0.270	0.300	0.330	
		Gy		0.570	0.600	0.630	
	Blue	Bx		0.120	0.150	0.180	
		By		0.030	0.060	0.090	
	White	Wx		0.283	0.313	0.343	
		Wy		0.299	0.329	0.359	
Color Chromaticity (CIE 1976)	Red	Ru'		-	0.451	-	
		Rv'		-	0.523	-	
	Green	Gu'		-	0.125	-	
		Gv'		-	0.563	-	
	Blue	Bu'		-	0.175	-	
		Bv'		-	0.158	-	
	White	Wu'		-	0.198	-	
		Wv'		-	0.468	-	
C.G.L	White	△u'v'		-	0.011	0.02	

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4.4.4 Electrical Characteristics

(1) TFT-LCD

The connector for display data & timing signal should be connected. Ta = 25°C

Item		Symbol	Min.	Typ.	Max.	Unit
Voltage of Power Supply		V_{DD}	4.5	5.0	5.5	V
LVDS Input Characteristics	Differential Input Voltage for LVDS Receiver Threshold	High	-	-	+100	mV
		Low	-100	-	-	mV
	LVDS skew	t_{SKEW}	-300	-	300	ps
	Differential input voltage	$\|V_{ID}\|$	200	-	600	mV
	Input voltage range (single-ended)	V_{IN}	0	-	2.4	V
	Common mode voltage	V_{CM}	0+ $\|V_{ID}\|/2$	1.2	2.4- $\|V_{ID}\|/2$	V
Current of Power Supply	(a) Black	I_{DD}	-	750	-	mA
	(b) White		-	650	-	mA
	(c) Dot		-	850	950	mA
Vsync Frequency		f_V	56	60	76	Hz
Hsync Frequency		f_H	52.6	56.4	71.4	kHz
Main Frequency		f_{DCLK}	48.4	51.9	65.7	MHz
Rush Current		I_{RUSH}	-	-	3	A

(2) Backlight

The back light unit is an edge - lighting type with 2 dual CCFTs (Cold Cathode Fluorescent Tube). The characteristics of two dual lamps are shown in the following tables. Ta=25 ± 2°C

Item		Symbol	Min.	Typ.	Max.	Unit
Lamp Current		I_L	3.0	6.5	8.0	mArms
Lamp Voltage		V_L	-	715	-	Vrms
Lamp Frequency		f_L	40	-	60	kHz
Operating Life Time		Hr	50,000	-	-	Hour
Inverter waveform	Asymmetry rate	Wasy	-	-	10	%
	Distortion rate	Wdis	1.2726	1.414	1.5554	
Startup Voltage		Vs	-	-	0℃ : 1,480 25℃: 1,170	Vrms

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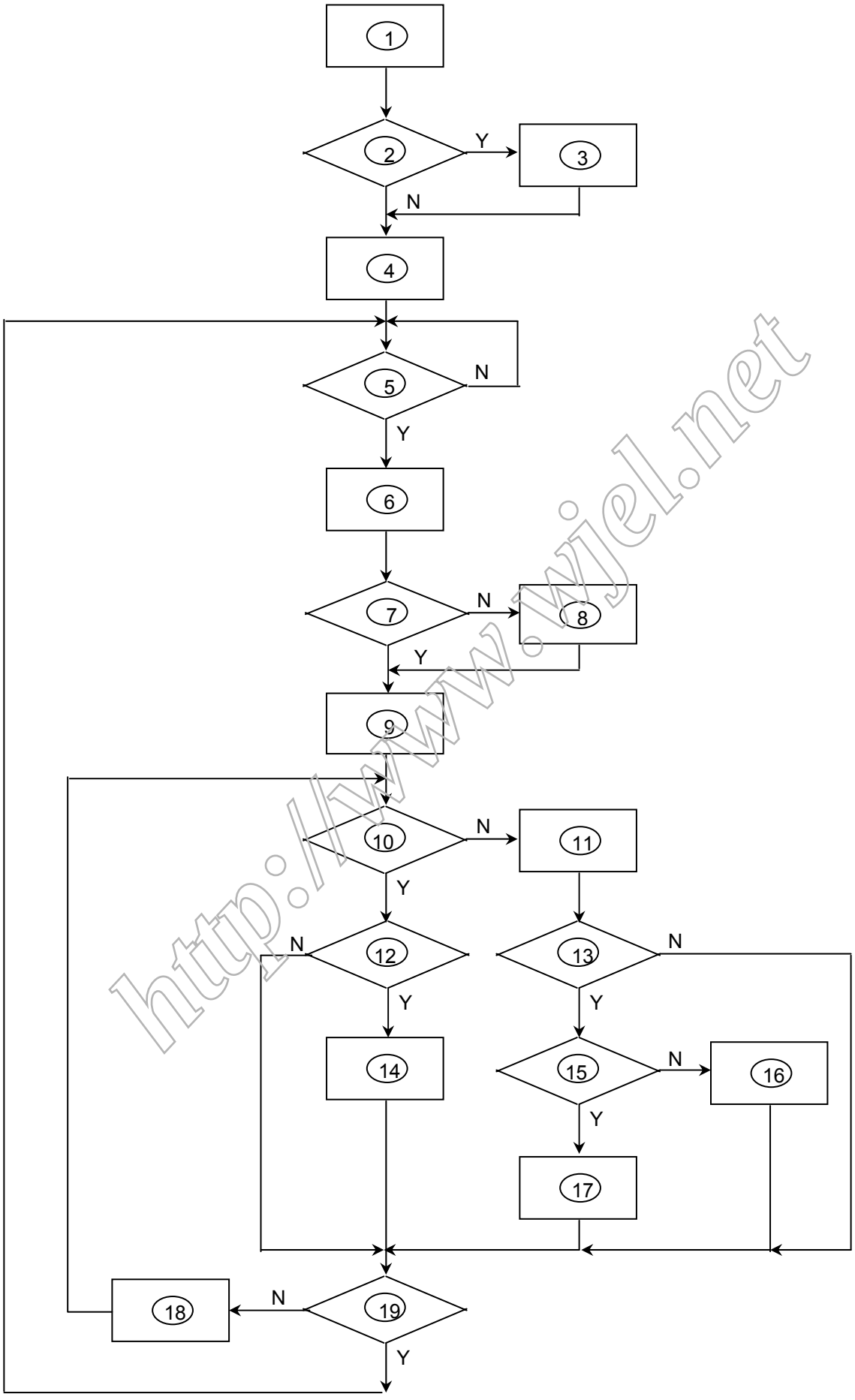
5. Block Diagram

5.1 Software Flow Chat



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1) MCU initialize.
2) Is the EPROM blank?
3) Program the EPROM by default values.
4) Get the PWM value of brightness from EPROM.
5) Is the power key pressed?
6) Clear all global flags.
7) Are the AUTO and SELECT keys pressed?
8) Enter factory mode.
9) Save the power key status into EPROM. Turn on the LED and set it to green color. Scalar initializes.
10) In standby mode?
11) Update the lifetime of back light.
12) Check the analog port, are there any signals coming?
13) Does the scalar send out an interrupt request?
14) Wake up the scalar.
15) Are there any signals coming from analog port?
16) Display "No connection Check Signal Cable" message. And go into standby mode after the message disappear.
17) Program the scalar to be able to show the coming mode.
18) Process the OSD display.
19) Read the keyboard. Is the power key pressed?

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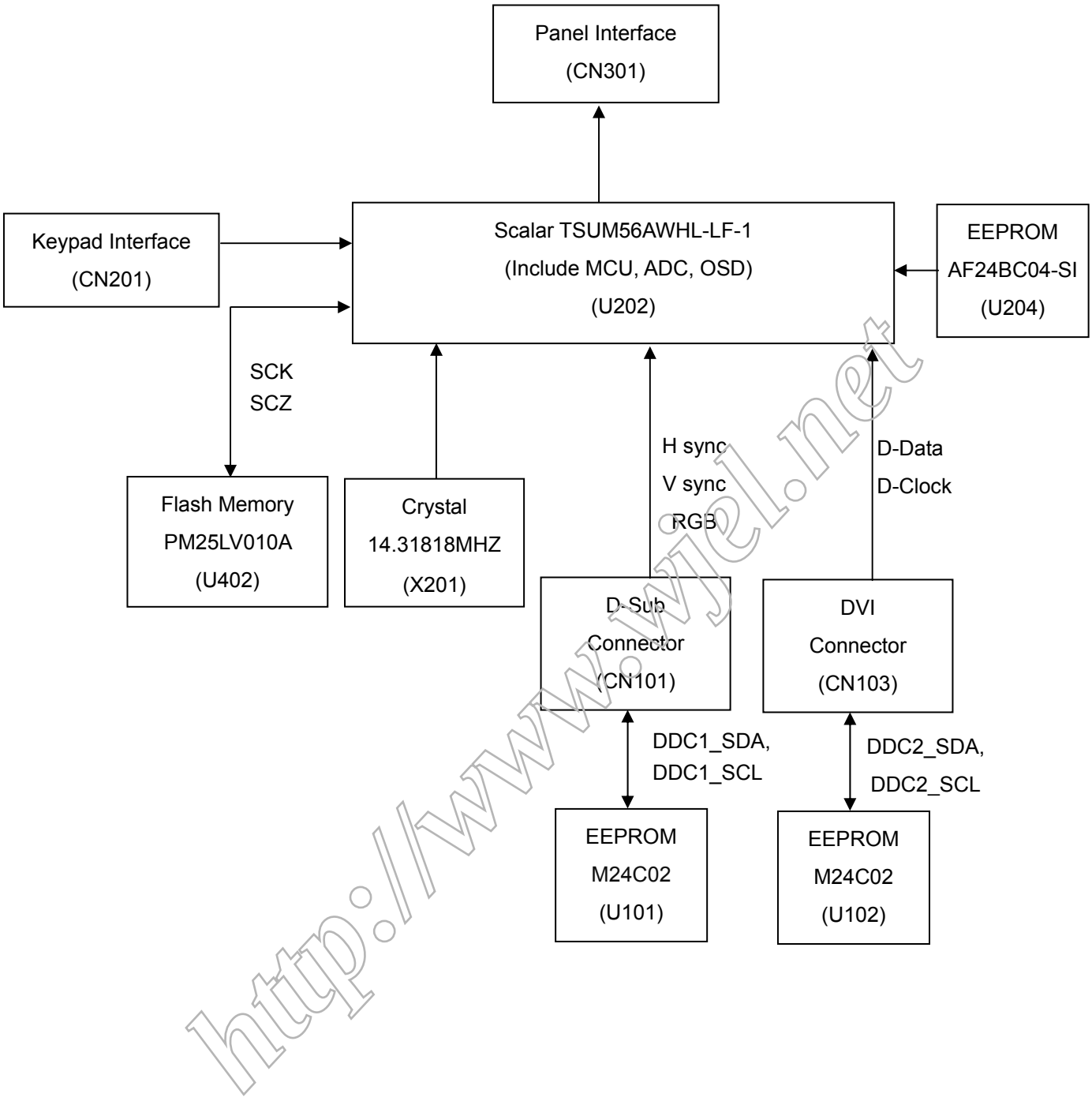
5.2 Electrical Block Diagram

5.2.1 Main Board



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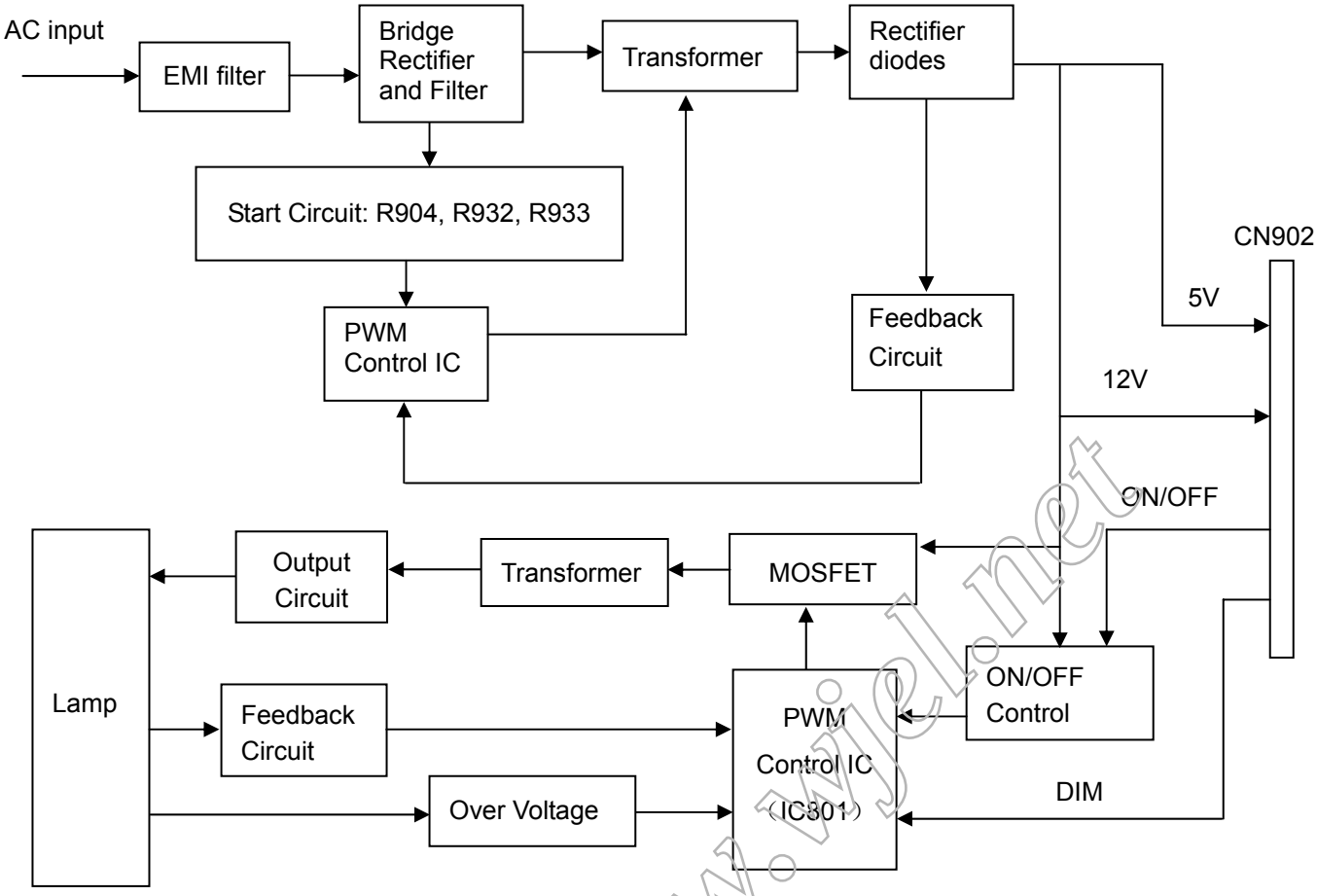
5.2.2 Inverter/Power Board



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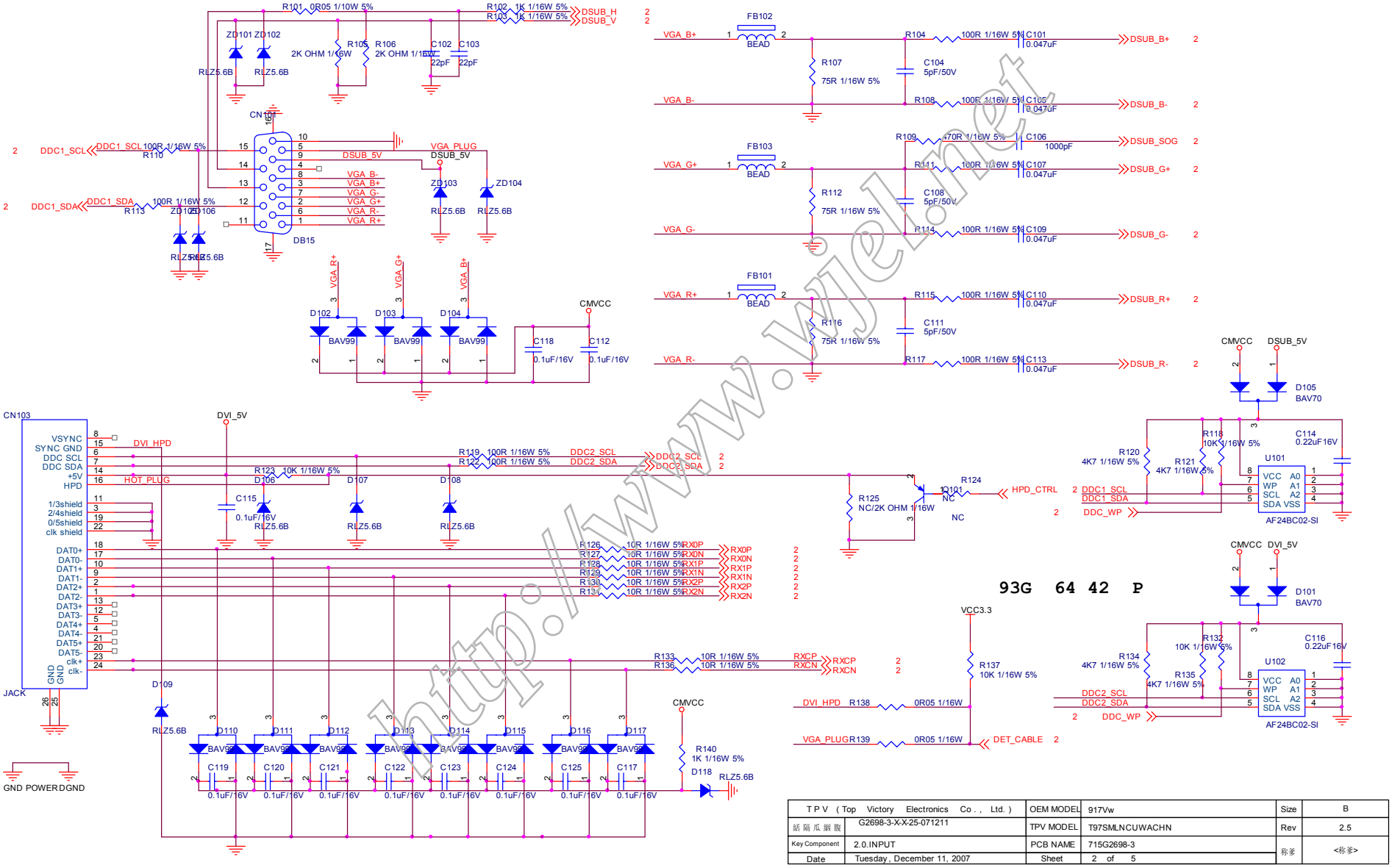
6. Schematic

6.1 Main Board

715G2698-3



T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL	917Vw	Size	B
話 隔 瓜 銀 腹	G2698-3-X-X-25-071211	TPV MODEL	T97SMLNCUWACHN	Rev	2.5
Key Component	2.0.INPUT	PCB NAME	715G2698-3	称爹	<称爹>
Date	Tuesday , December 11, 2007	Sheet	2 of 5		

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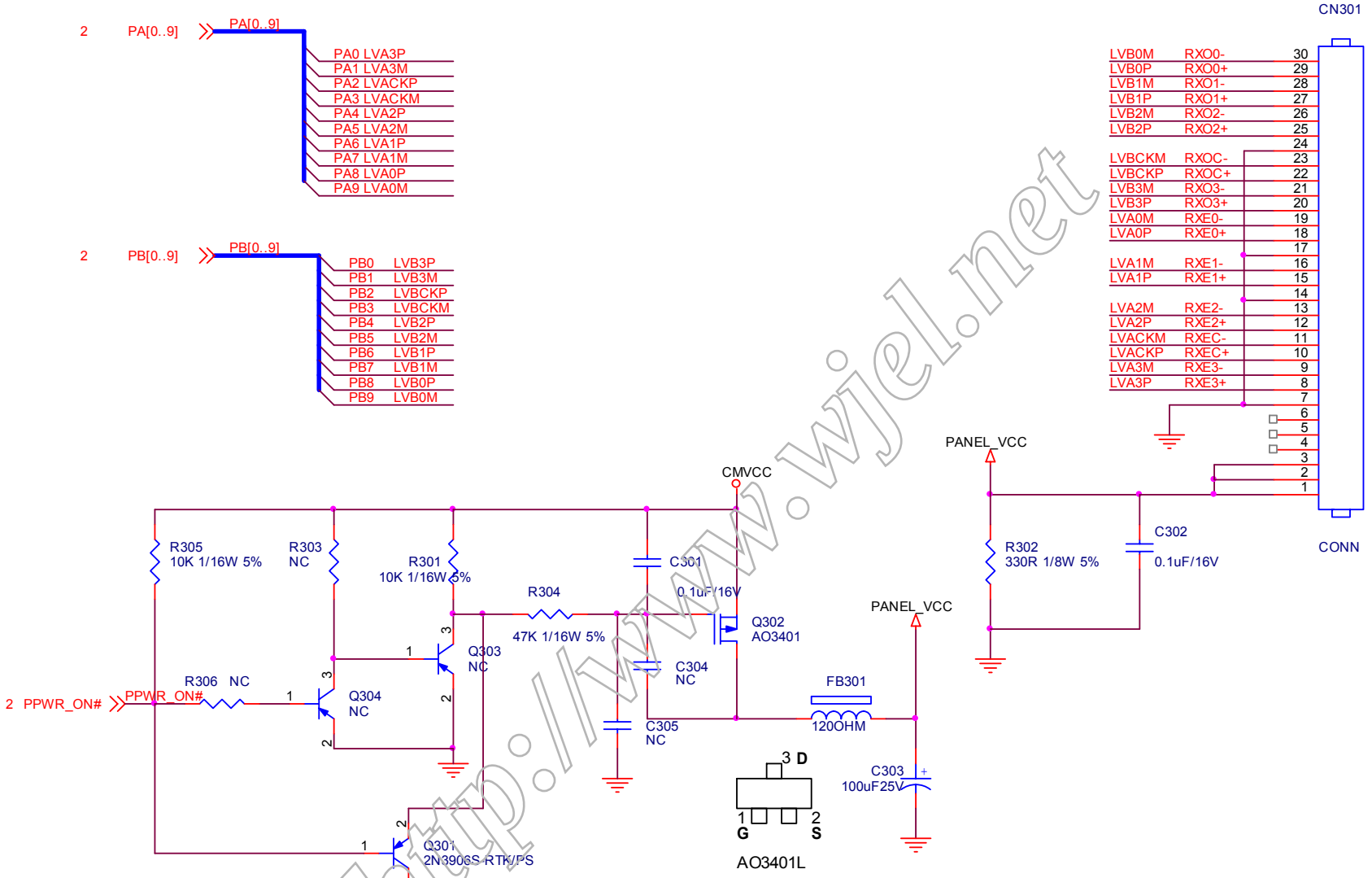

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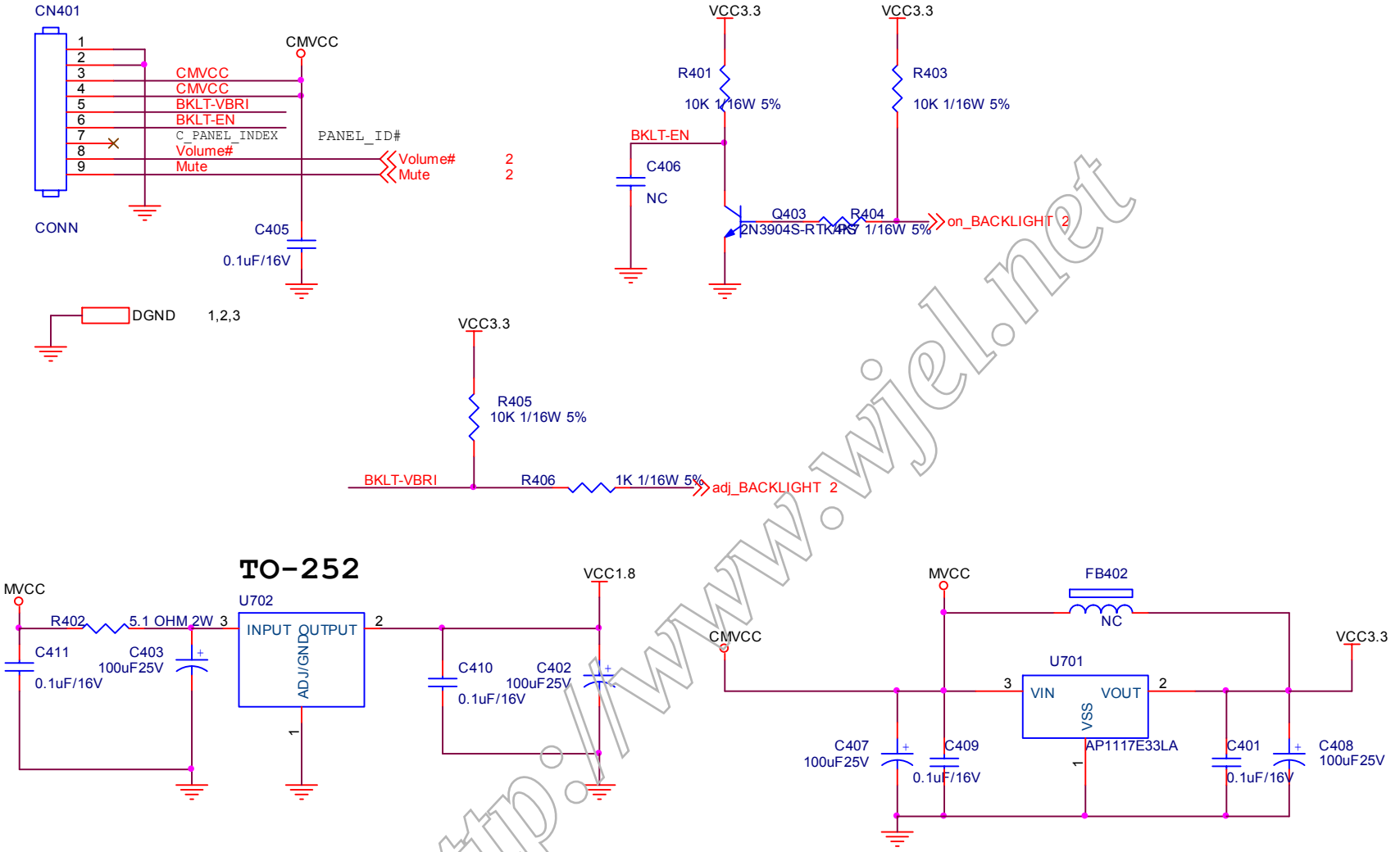
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL	917Vw	Size	A
結 隔 瓜 綢 腹	G2698-3-X-X-25-071211	TPV MODEL	T97SMLNCUWACHN	Rev	2.5
Key Component	3.0.OUTPUT	PCB NAME	715G2698-3	称爹	<称爹>
Date	Tuesday , December 11, 2007	Sheet	3 of 5		



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T P V （Top Victory Electronics Co., Ltd.）		OEM MODEL	917Vw	Size	A
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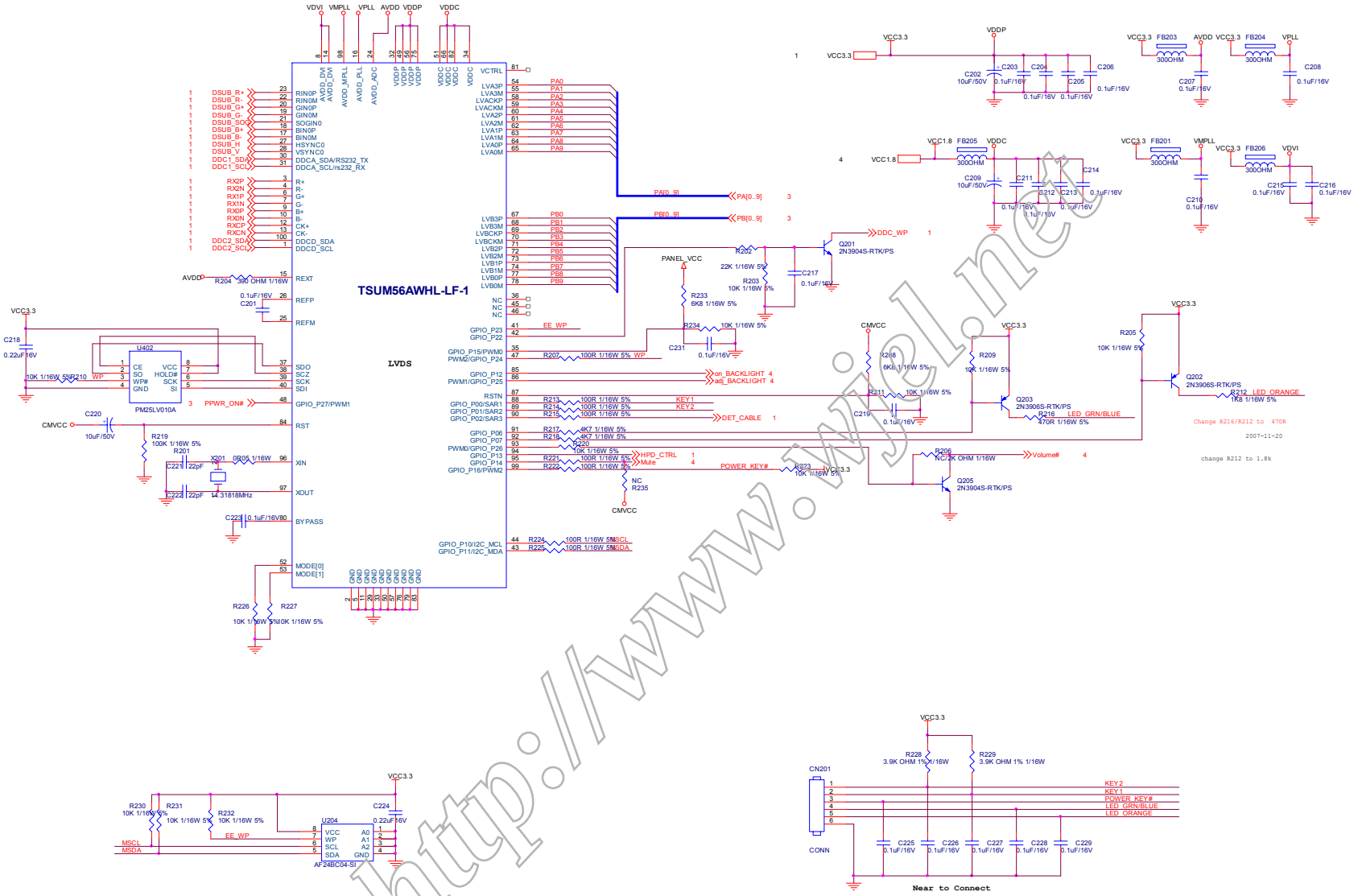
Key Component	4.0.POWER	PCB NAME	715G2698-3	称爹	<称爹>
Date	Tuesday, December 11, 2007	Sheet	4 of 5		



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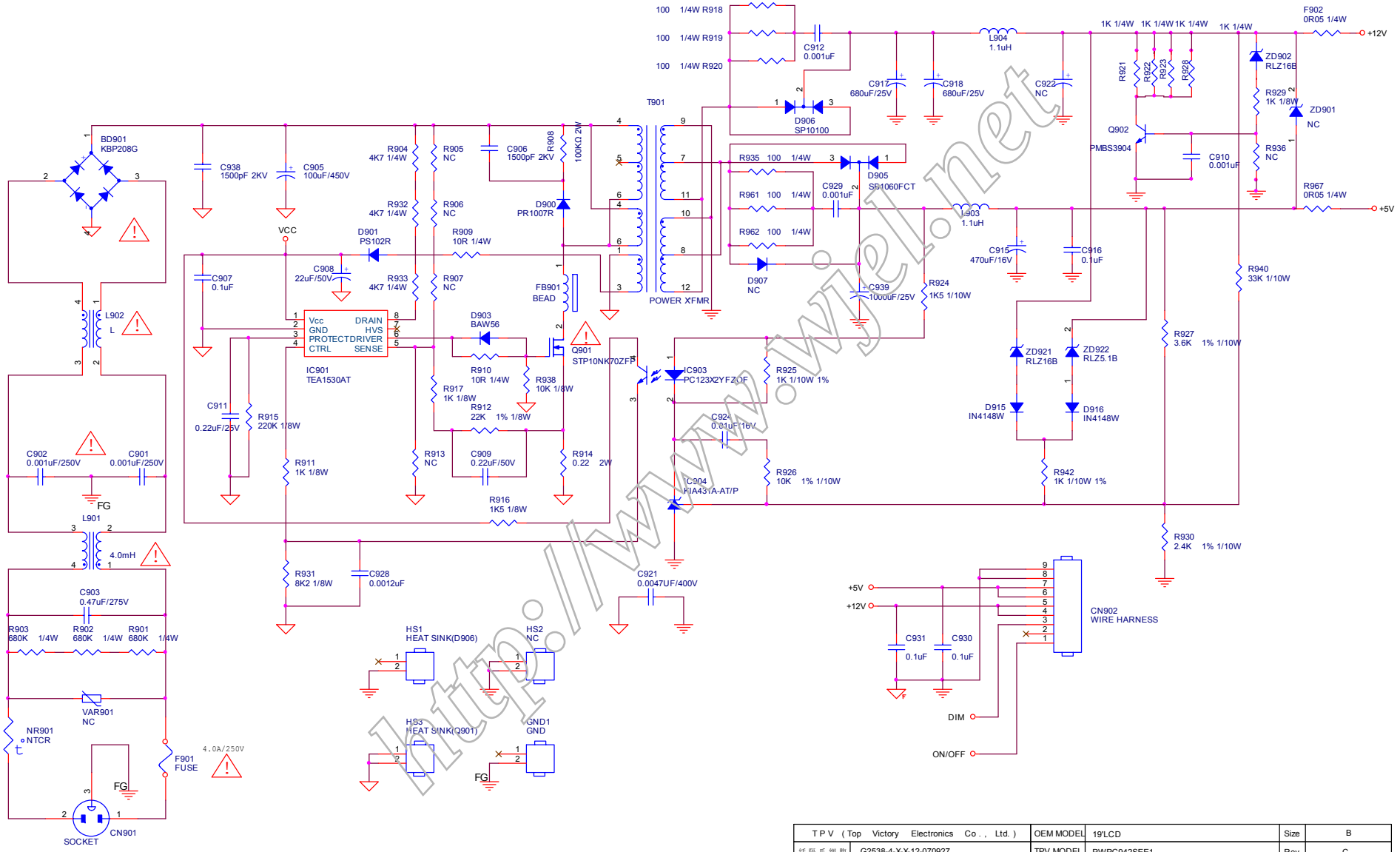
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL	917Vw	Size	C
基 圖 瓜 圖 圖	G2698-3-X-X-25-071211	TPV MODEL	T97SMLNCUWACHN	Rev	2.5
Key Component	5.0.SCALER	PCB NAME	715G2698-3		
Date	Tuesday , December 11, 2007	Sheet	5 of 5	標 署	<標署>

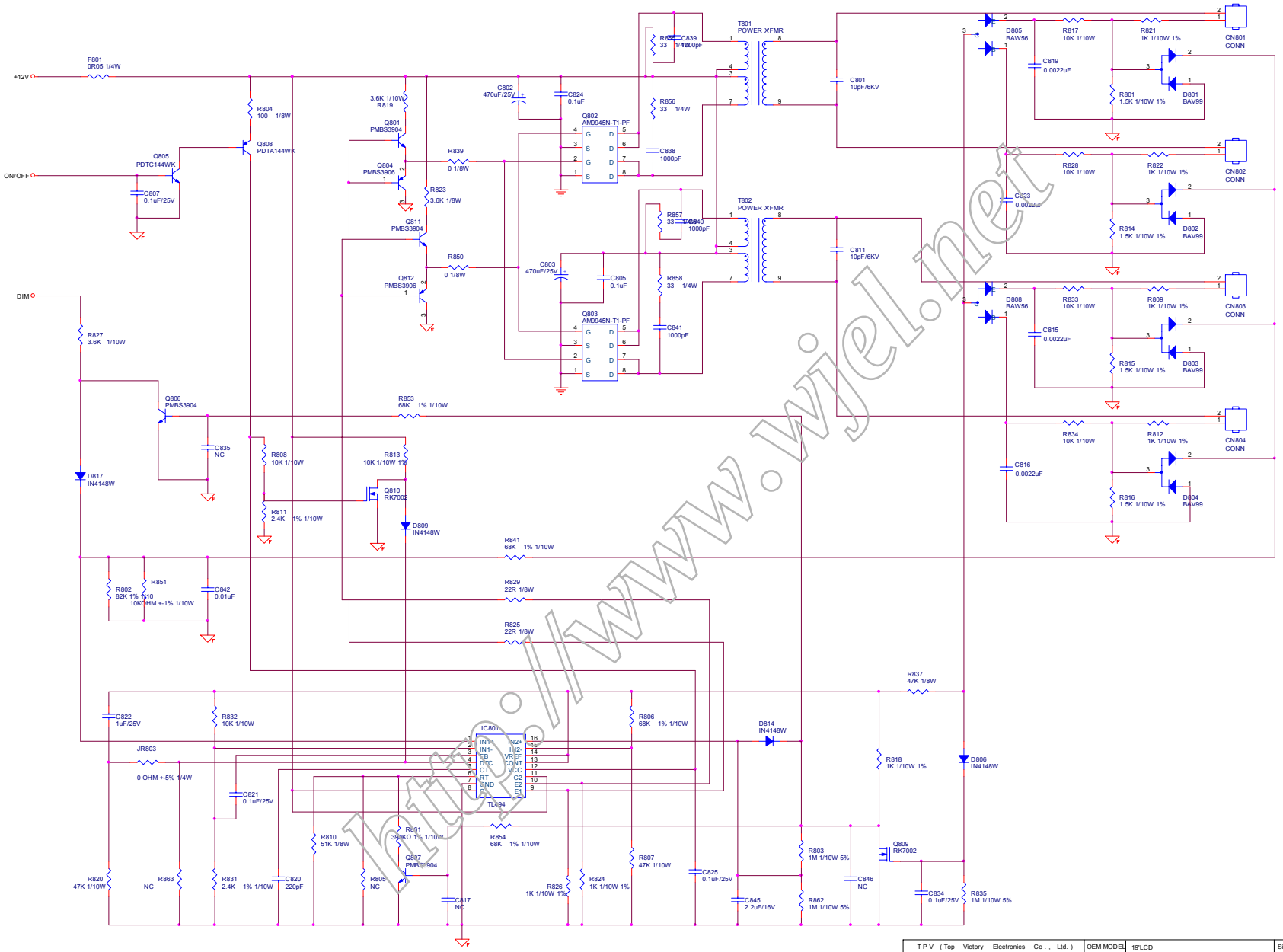
6.2 Power Board

715G2538-4



http://www.wel.net

T P V （Top Victory Electronics Co . , Ltd. ）		OEM MODEL	19'LCD	Size	B
話 陽 瓜 銅 腹	G2538-4-X-X-12-070927	TPV MODEL	PWPC942SEE1	Rev	C
Key Component	02.POWER	PCB NAME	715G2538 4	称 爹	<称爹>
Date	Thursday , September 27, 2007	Sheet	2 of 3		



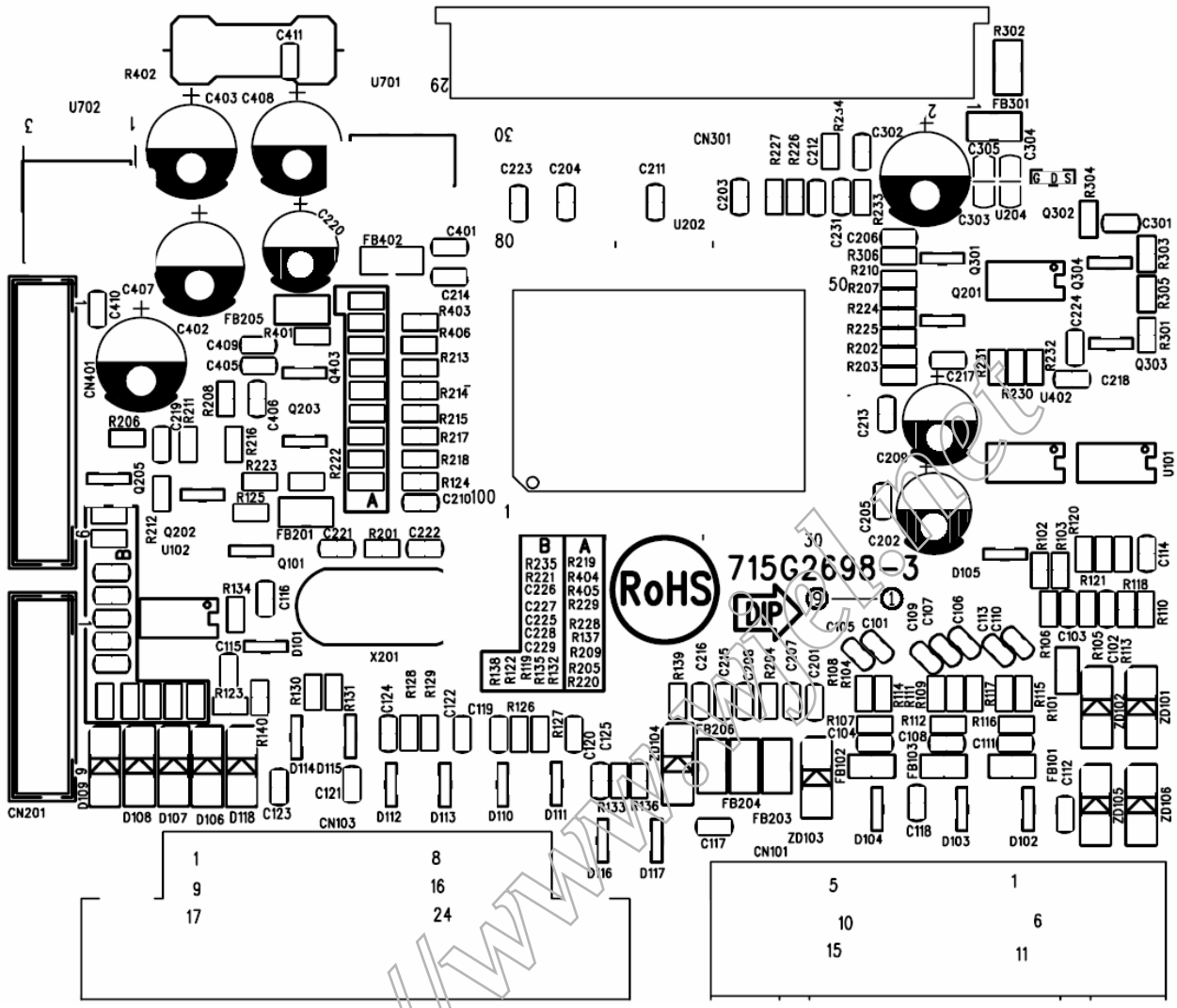
T P V (Top Victory Electronics Co . , Ltd.)		OEM MODEL	19'LCD	Size	Custom
拓 陽 瓜 飄 散	G2538-4-X-X-12-070927	TPV MODEL	PWPC942SEE1	Rev	1
Key Component	03.INVERTER	PCB NAME	715G2538_4	條 案	<條案>
Date	Thursday , September 27, 2007	Sheet	3 of 3		

http://www.wjel.net

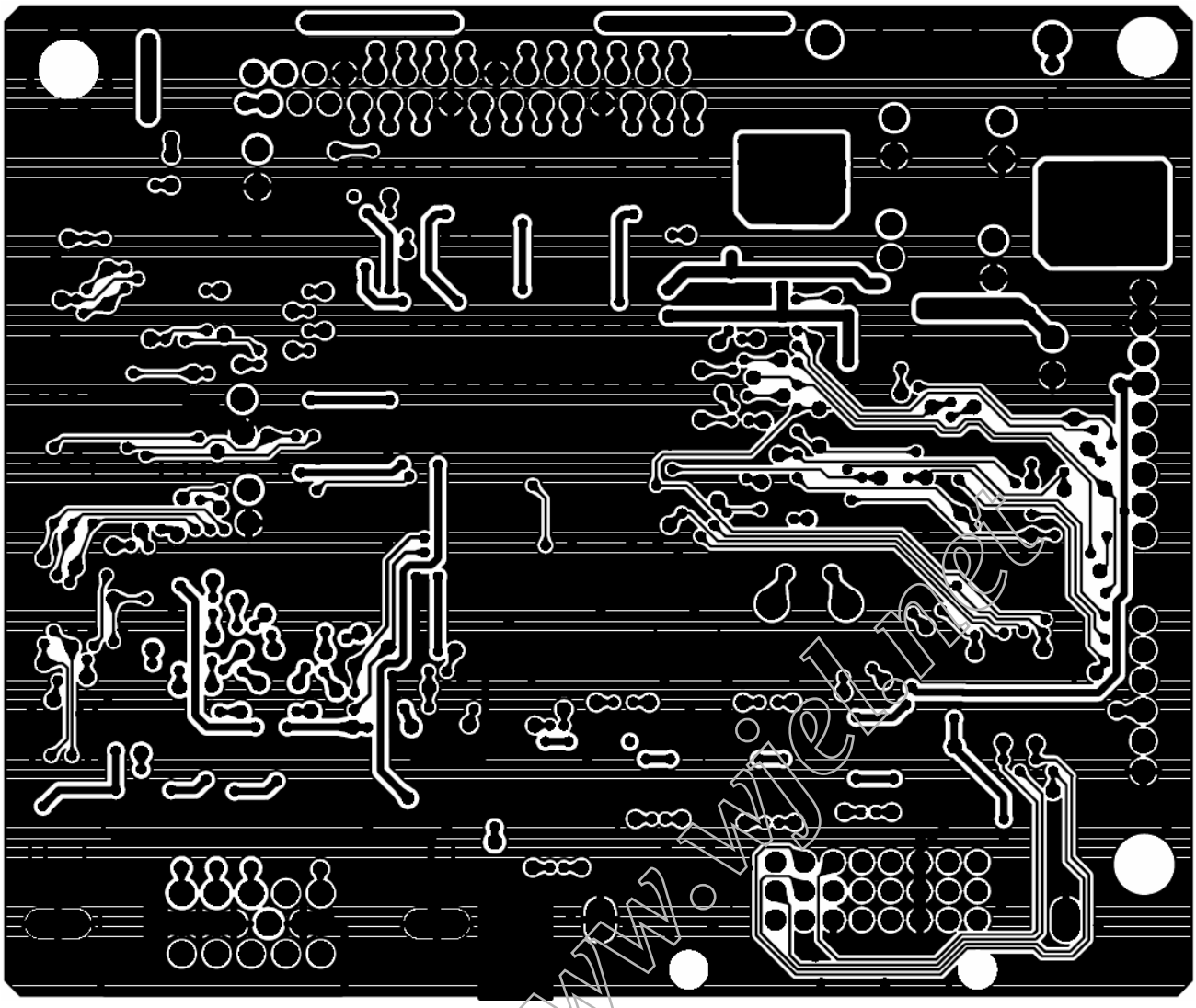
7. PCB Layout

7.1 Main Board

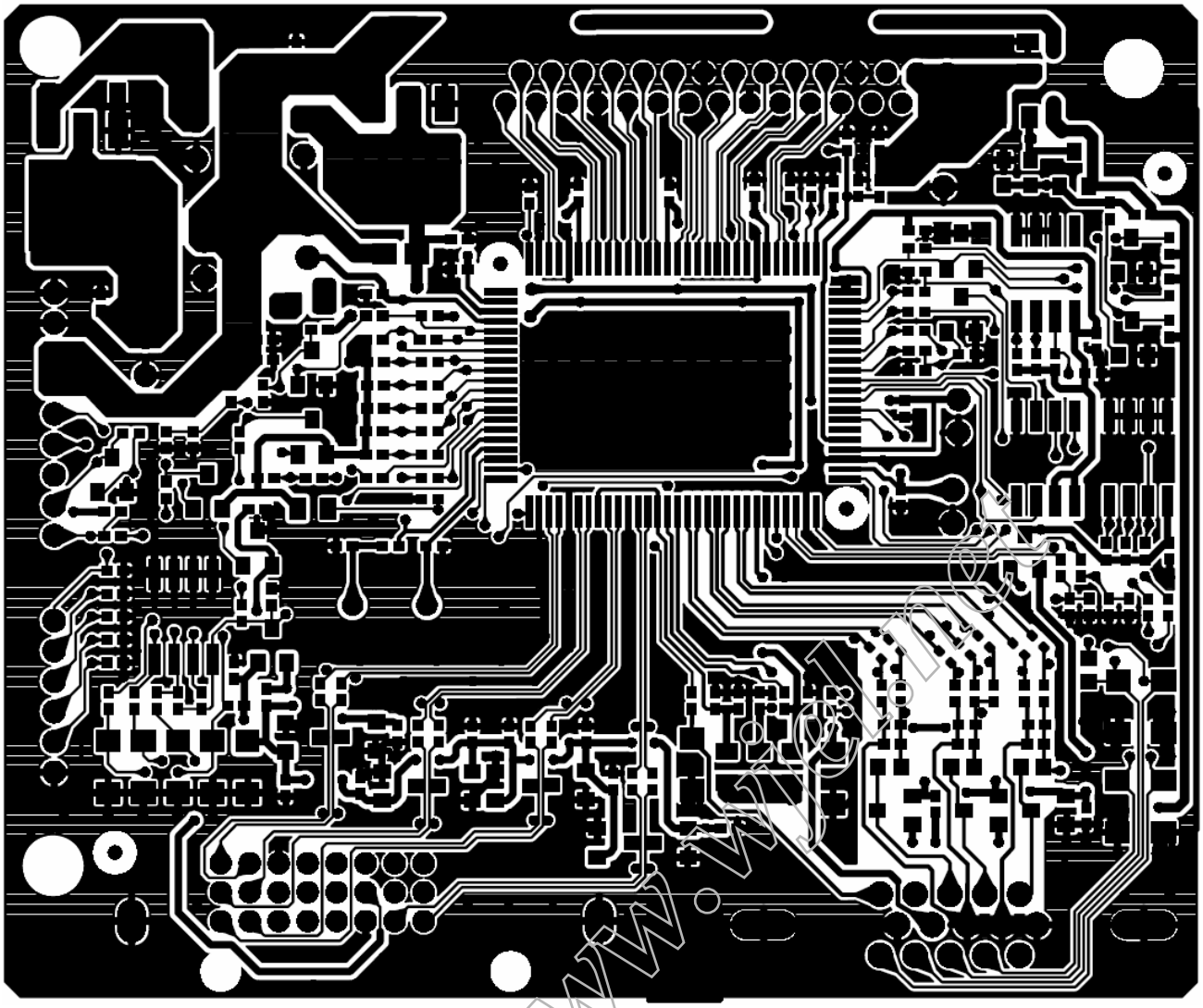
715G2698-3



http://www.xiaolu.net



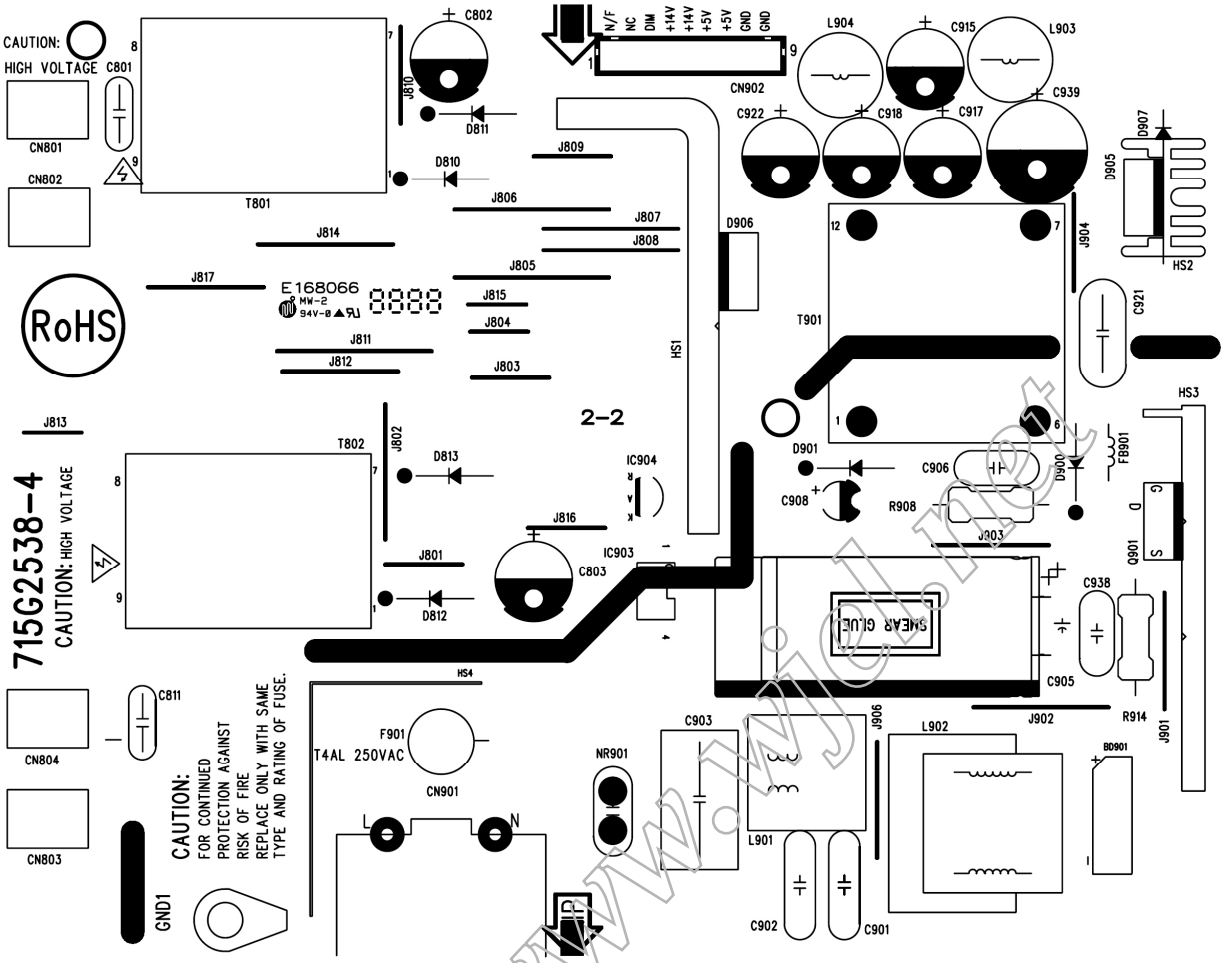
http://www.vemer



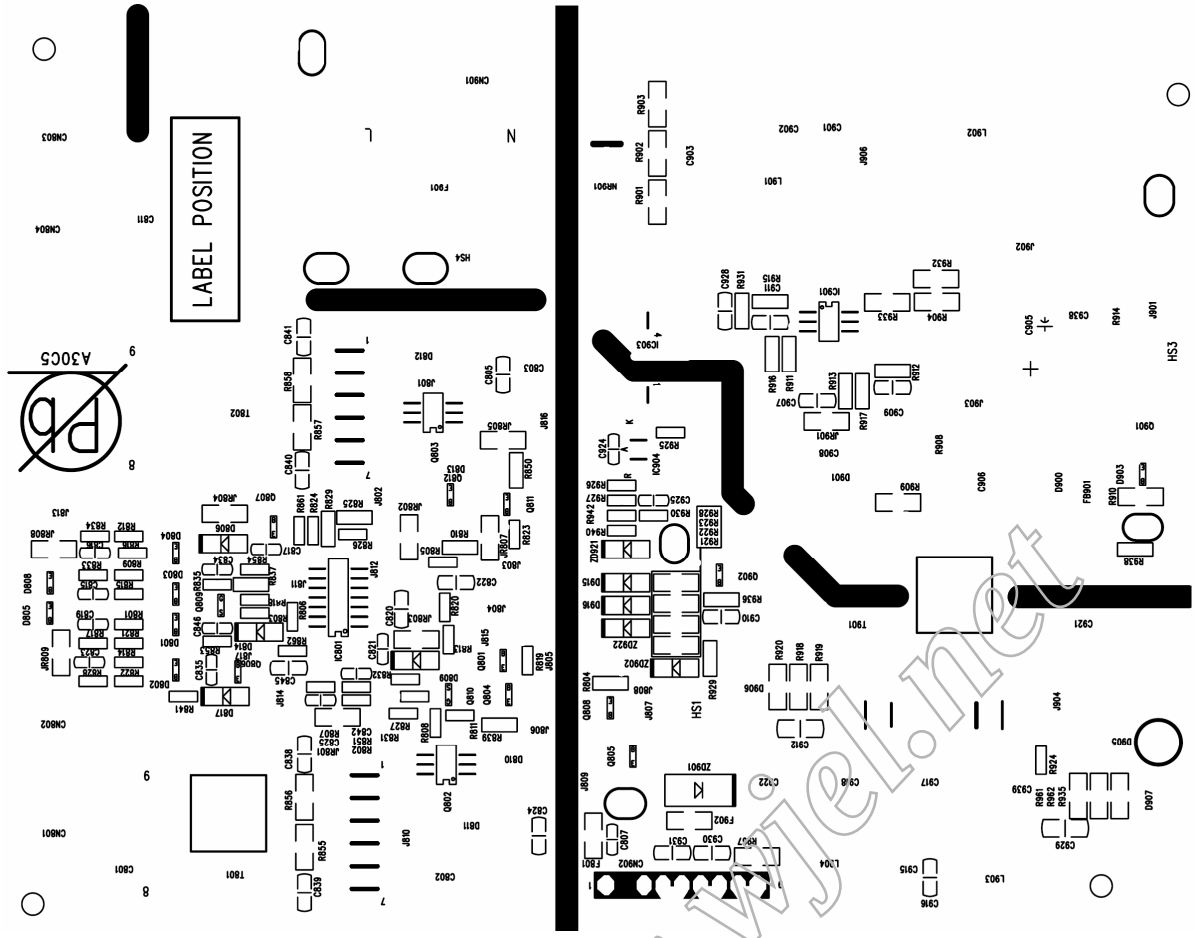
http://www.xiaomi.com

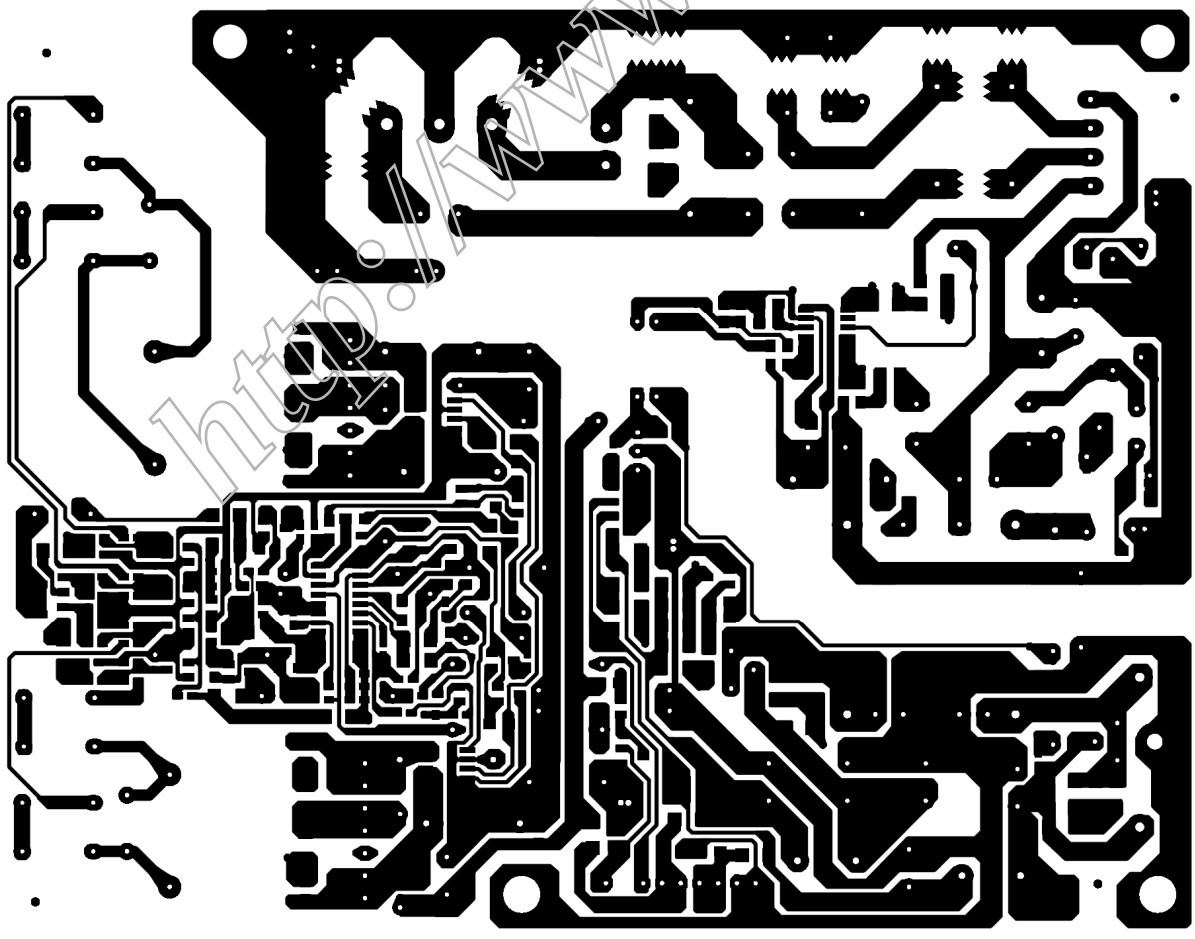
7.2 Power Board

715G2538-4



http://www.wl.net

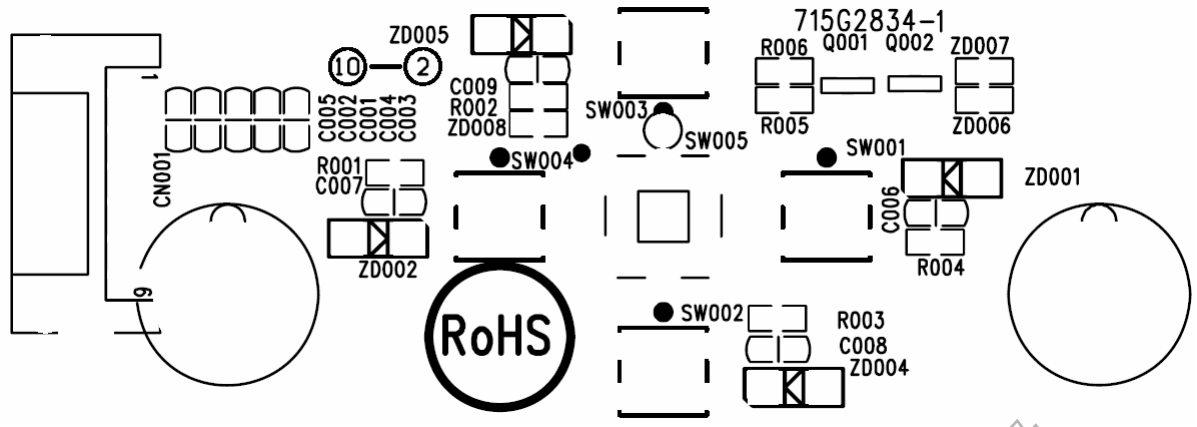


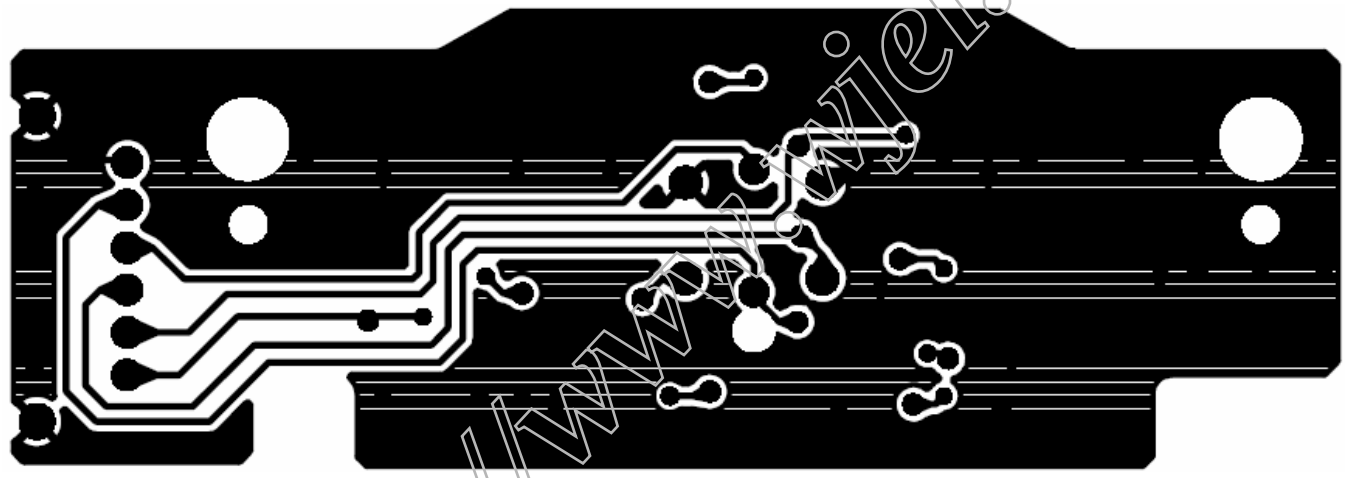


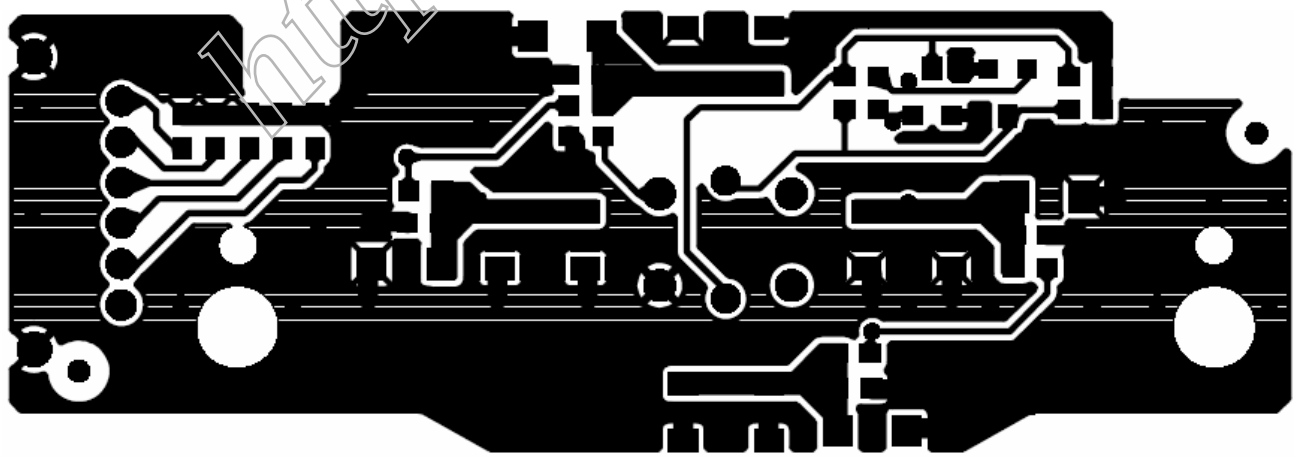
http://www.wiel.net

7.3 Key Board

715G2834-1







http://www.wiel.net

8. Maintainability

8.1 Equipments and Tools Requirement

1. Voltmeter.
2. Oscilloscope.
3. Pattern Generator.
4. DDC Tool with an IBM Compatible Computer.
5. Alignment Tool.
6. LCD Color Analyzer.
7. Service Manual.
8. User Manual.

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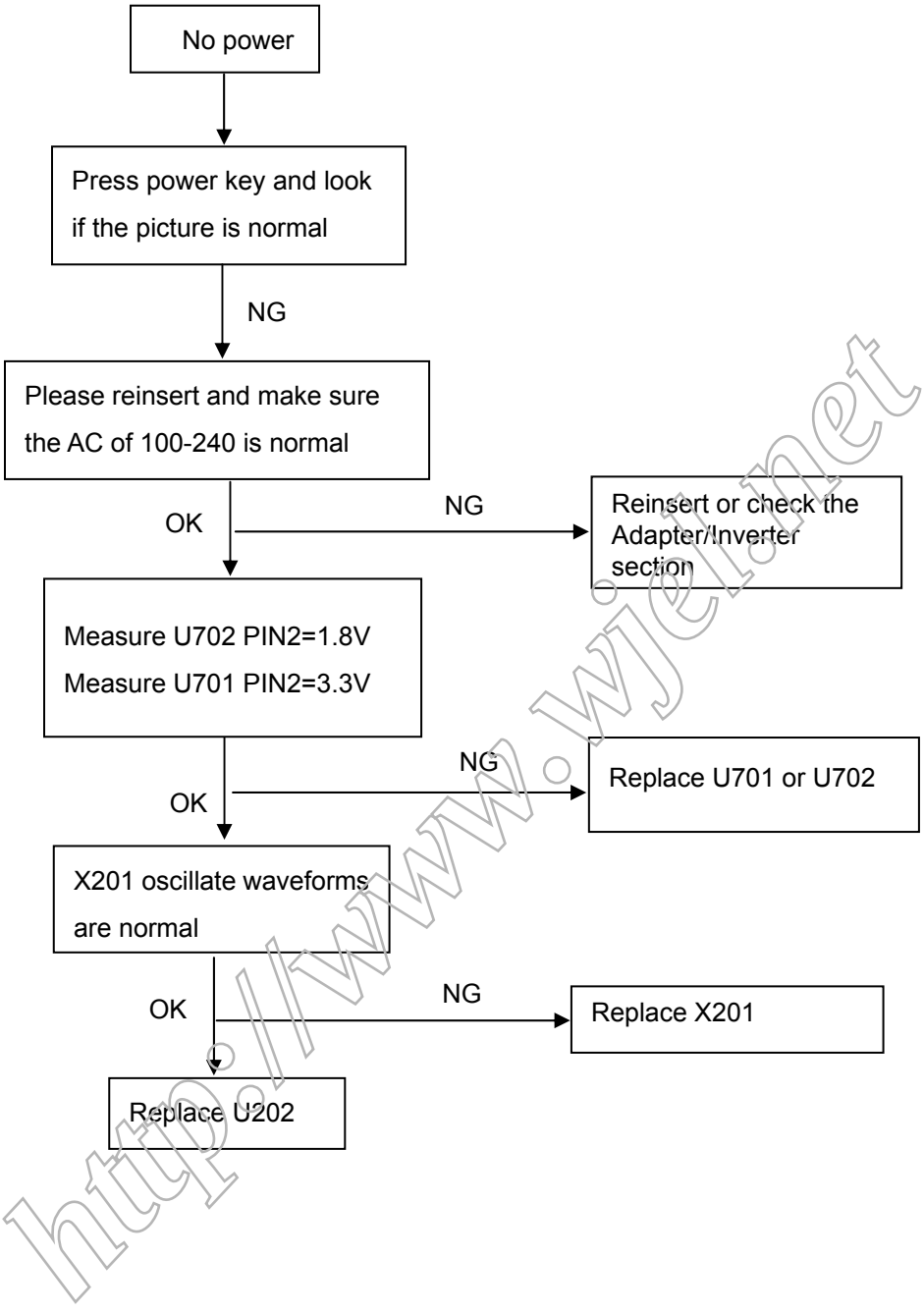
8.2 Trouble Shooting

8.2.1 Main Board

(1). No Power



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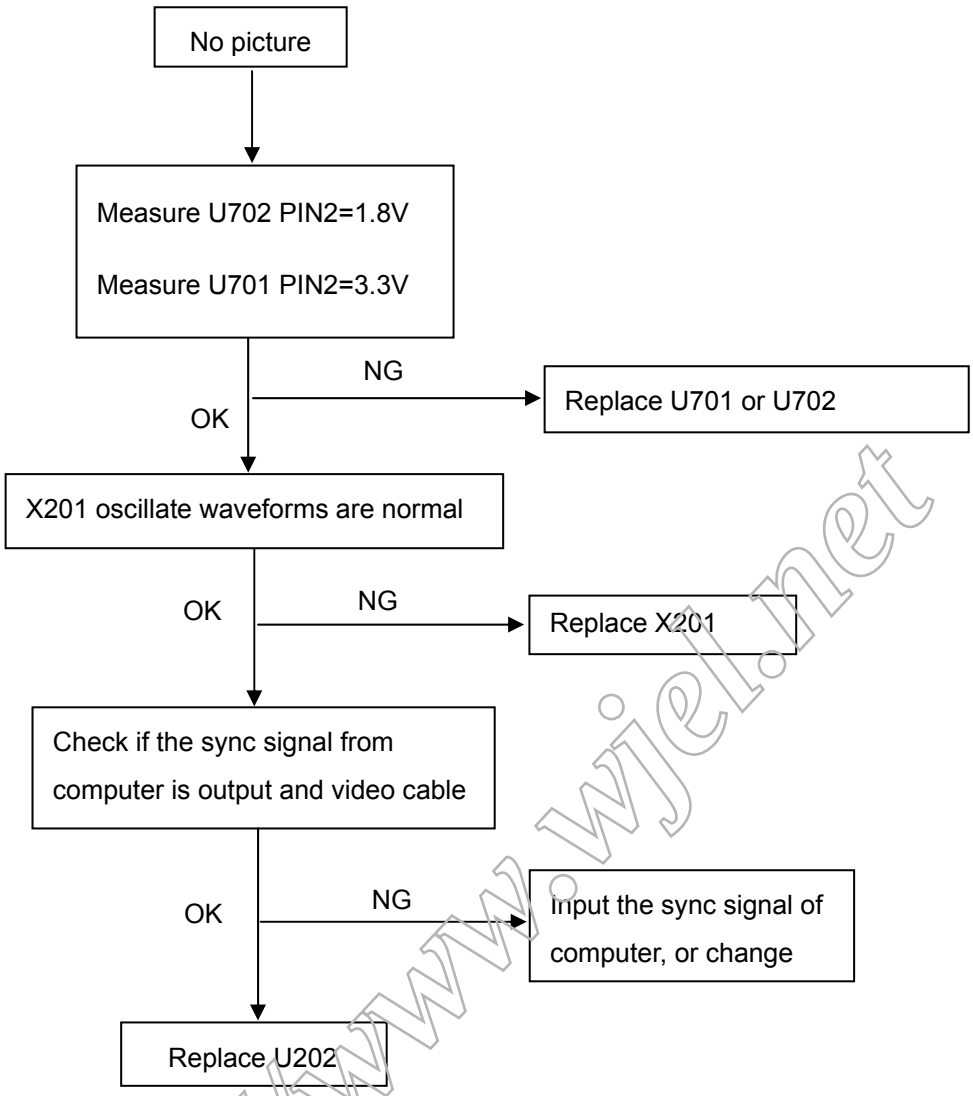
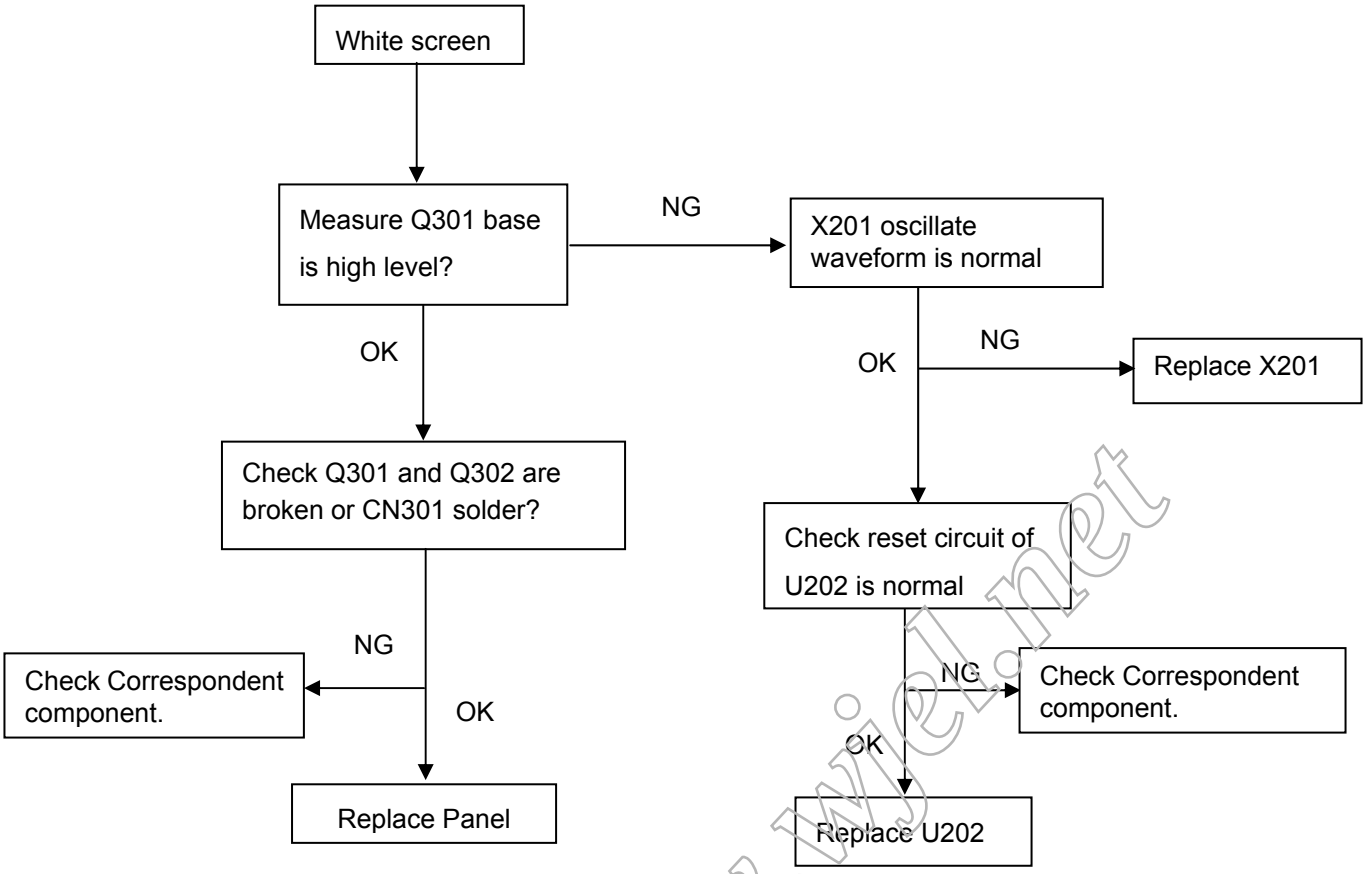
(2). No Picture



http://www.wjel.net

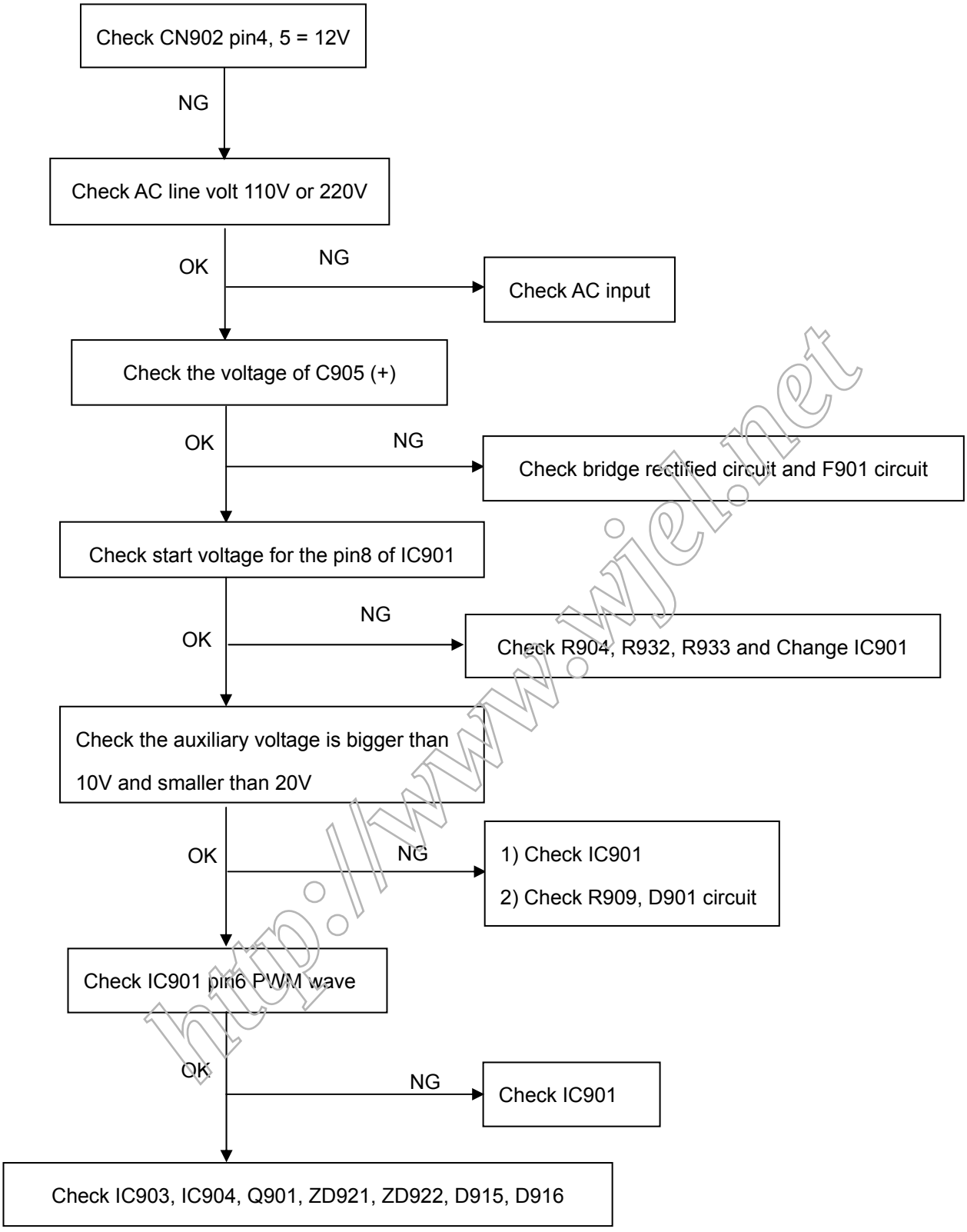
(3). White screen



http://www.wjel.net

8.2.2 Power/Inverter Board

1.) No power



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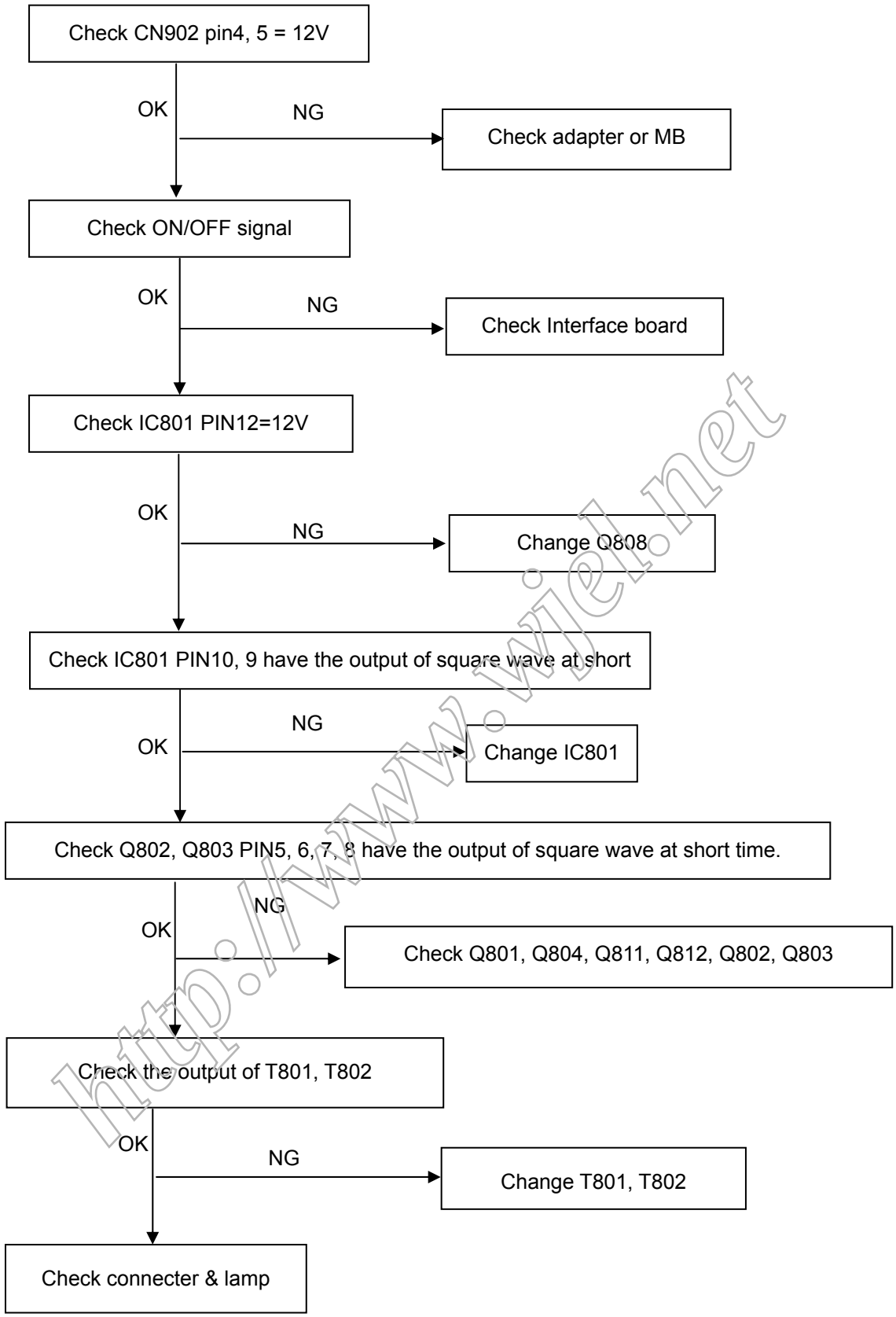
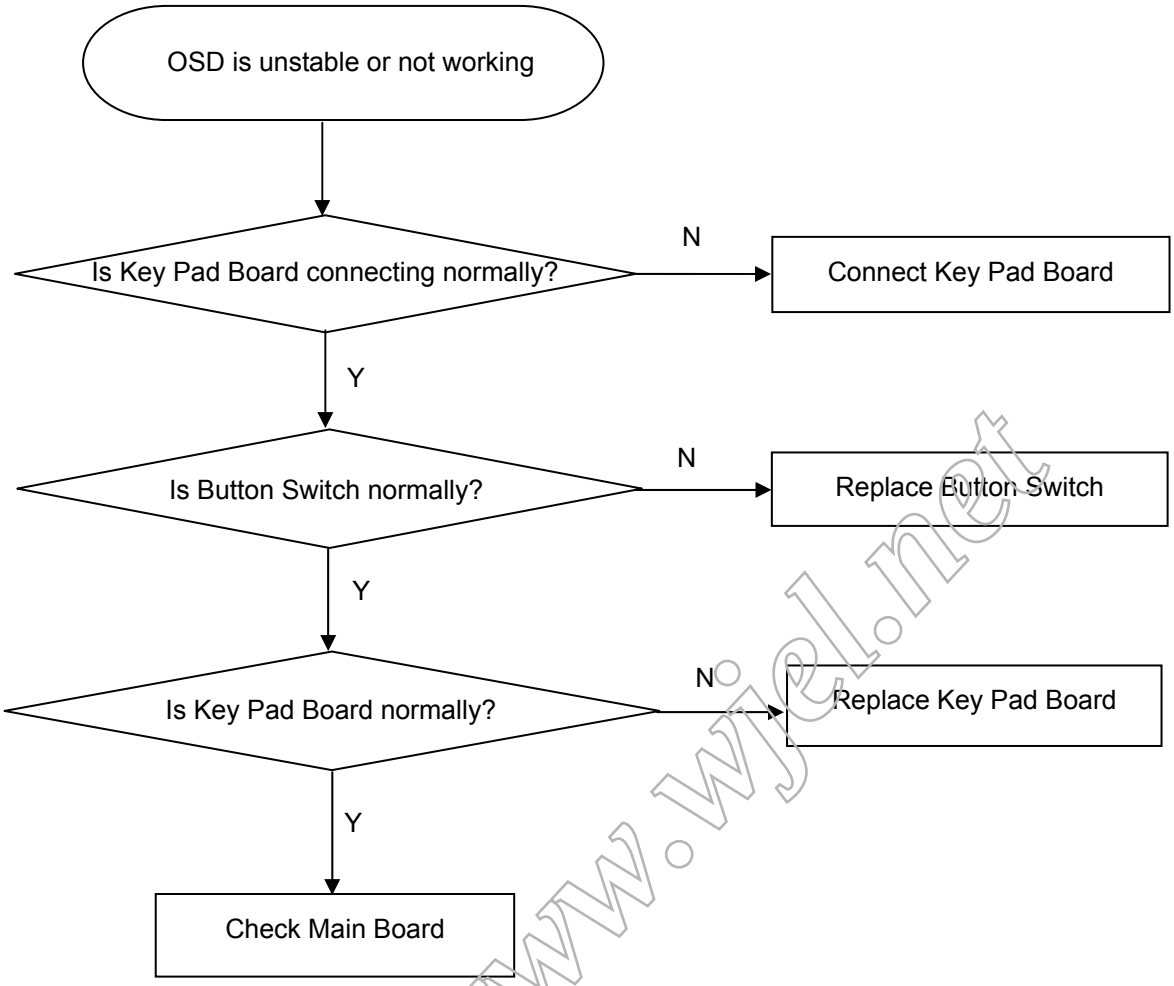
2.) W / LED, No Backlight



http://www.wiel.net

8.2.3 Key Board



http://www.wjel.net

9. White- Balance, Luminance Adjustment

Approximately 30 minutes should be allowed for warm up before proceeding white balance adjustment.

Before started adjust white balance , please set the Chroma-7120 MEM Channel 3 to Warm (6500K) color, MEM Channel 4 to Normal (7300K) color, MEM Channel 9 to Cool (9300K) color , and MEM Channel 10 to sRGB color (our Warm color parameter is x = 313 ±30, y = 329 ±30, Y=230cd/m^2(typ); Normal color parameter is x = 301 ±30, y = 317 ±30, Y=200cd/m^2 (typ); Cool color parameter is x = 283 ±30, y = 297 ±30, Y=180cd/m^2 (typ); sRGB color parameter is x = 313 ±20, y = 329 ±20, Y= 230cd/m^2)

How to setting MEM channel you can reference to chroma 7120 user guide or simple use " SC" key and " NEXT" Key to modify xyY value and use "ID" key to modify the TEXT description Following is the procedure to do white-balance adjust .

2. Setting the color temp. you want

A. MEM.CHANNEL 3 (Warm color):

Warm color temp. parameter is x = 313 ±30, y = 329 ±30, Y=230cd/ m^2(typ)

B. MEM.CHANNEL 4 (Normal color):

Normal color temp. parameter is x = 301 ±30, y = 317 ±30, Y=200cd/ m^2(typ)

C. MEM.CHANNEL 9(Cool color):

Cool color temp. parameter is x = 283 ±30, y = 297 ±30, Y=180cd/m^2 (typ)

D. MEM.CHANNEL 10 (sRGB color):

sRGB color temp. parameter is x = 313 ±30, y = 329 ±30, Y= 230cd/m^2

3. Into Factory mode of AOC 917Vw:

Press the MENU button, pull out the power cord, and then plug the power cord. Then the factory OSD will be at the left top of the panel.

4. Bias adjustment:

Set the **Contrast** to 50; Adjust the **Brightness** to 90.

5. Gain adjustment:

Move cursor to "-F-" and press MENU key

A. Adjust Warm (6500K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 3 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±30, y = 329 ±30, Y=230cd/m^2 (typ)
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

B. Adjust Normal (7300K) color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press "MODE" button)
2. Switch the MEM.channel to Channel 4(with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 301 ± 30, y = 317 ± 30, Y=200cd/m^2 (typ)

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4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

C. Adjust Cool (9300K) color-temperature

1. Switch the Chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM. Channel to Channel 9 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 283 ±30, y = 297 ±30, Y=180cd/m^2 (typ)
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reached the value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

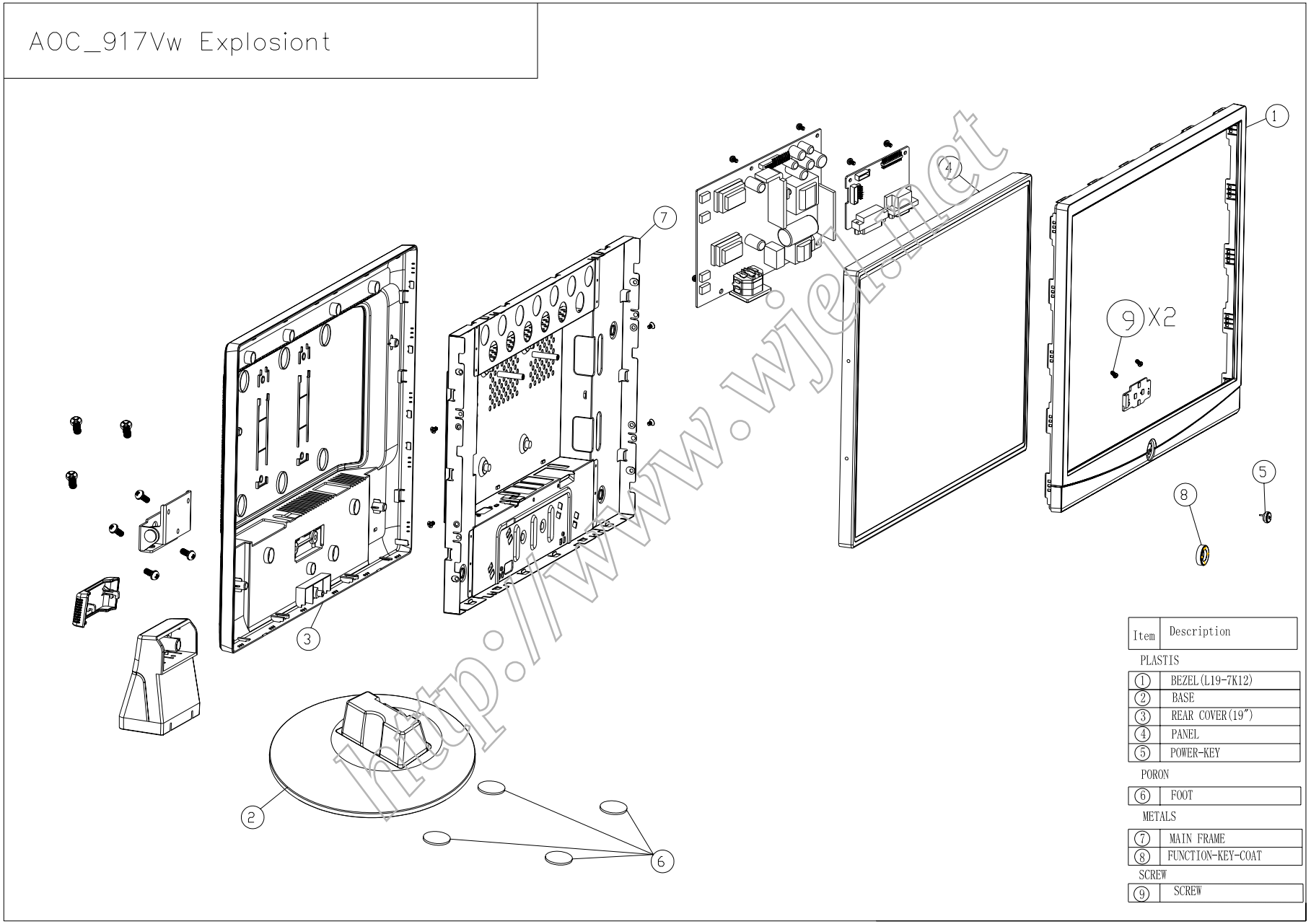
D. Adjust sRGB color-temperature

1. Switch the chroma-7120 to **RGB-Mode** (with press “MODE” button)
2. Switch the MEM.channel to Channel 10 (with up or down arrow on chroma 7120)
3. The LCD-indicator on chroma 7120 will show x = 313 ±30, y = 329 ±30, Y= 230cd/m^2
4. Adjust the RED on factory window until chroma 7120 indicator reached the value R=100
5. Adjust the GREEN on factory window until chroma 7120 indicator reachedthe value G=100
6. Adjust the BLUE on factory window until chroma 7120 indicator reached the value B=100
7. Repeat above procedure (item 4,5,6) until chroma 7120 RGB value meet the tolerance =100±2

E. Turn the Power-button off to quit from factory mode.

http://www.vlel.net

10. Monitor Exploded View



http://www.wjell.net

11. BOM List

T97SMLNCUWACHN

Location	Part No.	Description
	040G 581 26704	SHIPPING LABEL
	040G 581909 1A	PROTECT LABEL
	041G 68508 A	CONTROL CARD
	044G6002608 2A	PAPER BOARD
	044G9003220	CORNER PAPER
	044GH600 1	HANDLE 2
	045G 77 3	PE PACKING
	050G 600 4	HANDLE 1
	052G 1150 C	INSULATING TAPE
	052G 1185	MIDDLE TAPE
	052G 1186	SMALL TAPE
	052G 1207 A	ALUMINIUM TAPE
	052G 1211 A	165MINIUM TAPE
	052G 1211 B	AL TAPE
	052G 1211527	ALUMINUM FOIL TAPE
	052G6019 1	INSULATING TAPE
	070GHDCP500HDC	HDCP CODE
E08902	089G 725HAA DB	D-SUB
E08903	089G1745CAA AC	DVI CABLE
E08907	089G179E30N 9	FFC CABLE
	089G417A15N IS	POWER CORD
	095G8014 6D 39	HARNESS 6P-6P 150MM
	0M1G 130 5120	SCREW
	0M1G1730 6120	SCREW,42-D020523
	0Q1G 330 8120	SCREW 3X8MM 42A9930017/ 42-D002093
	705GQ834021	19" LCD STAND BASE ASS'Y
	A34G0289ABJ 1B	STAND
	A37G0031 1	HINGE
	AM1G1740 12 47 CR3	SCREW
	Q34G0243AED 1B 33	BASE
E750L	750GLS90M315CN	PANEL LTM190M2-L31 8TM FQ SEC
	A15G0205 S1 7	MAIN FRAME
	A33G0173ABJ 1L 32	CABLE CLAMP
	A34G0288ABJA3B	REAR COVER(19")
	AM1G1740 12 47 CR3	SCREW
	CBPC7SMLA1Q1	MAIN BOARD
	040G 45762412B	CBPC LABEL

http://www.vinel.net

CN201	033G3802 6	WAFER
CN401	033G3802 9	WAFER 9P RIGHT ANELE PITCH
CN301	033G801930F CH JS	CONNECTOR
R402	061G152M519 64	5.1OHM 2W
C303	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C402	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C403	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C407	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C408	067G 3151014KV	EC 105℃ CAP 100UF M 25V
C202	067G215V100 7R	LOW E.S.R 10UF +/-20% 50V
C209	067G215V100 7R	LOW E.S.R 10UF +/-20% 50V
C220	067G215V100 7R	LOW E.S.R 10UF +/-20% 50V
CN101	088G 35315F HD	D-SUB CONN F ATTACHED SCREW
CN103	088G 35424F D	DVI 24PIN CONN F ATTACHED SCREW
X201	093G 2253B H	XAT01431AFI1H-3OHX AT-49 14.31818MHZ
U202	056G 562547	IC TSUM56AWHL-LF-1 MSTAR
U702	056G 563 31	IC AZ1117D-1.8-E1
U701	056G 585 4A	AP1117E33LA
U101	056G1133 34	M24C02-WMN6TP
U102	056G1133 34	M24C02-WMN6TP
U204	056G1133104	IC AF24BC04-SI 4K SOIC-8
U402	056G1133713	IC PM25LV010A-100SCE SOIC-8
Q201	057G 417 12 T	KEC 2N3904S-RTK/PS
Q205	057G 417 12 T	KEC 2N3904S-RTK/PS
Q403	057G 417 12 T	KEC 2N3904S-RTK/PS
Q202	057G 417 13 T	KEC 2N3906S-RTK/PS
Q203	057G 417 13 T	KEC 2N3906S-RTK/PS
Q301	057G 417 13 T	KEC 2N3906S-RTK/PS
Q302	057G 763 1	A03401 SOT23 BY AOS(A1)
R138	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R139	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R201	061G0402000	RST CHIPR 0 OHM +-5% 1/16W
R136	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R133	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R131	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R130	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R129	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R128	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R127	061G0402100	RST CHIPR 10 OHM +-5% 1/16W
R126	061G0402100	RST CHIPR 10 OHM +-5% 1/16W

http://www.vic.net

R104	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R108	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R110	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R111	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R113	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R114	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R115	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R117	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R119	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R122	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R207	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R213	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R214	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R215	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R221	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R222	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R224	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R225	061G0402101	RST CHIPR 100 OHM +-5% 1/16W
R102	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R103	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R140	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R406	061G0402102	RST CHIPR 1 KOHM +-5% 1/16W
R301	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R118	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R123	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R132	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R137	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R203	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R205	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R209	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R210	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R211	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R220	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R223	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R226	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R227	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R230	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R231	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R232	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R234	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W

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R305	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R401	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R403	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R405	061G0402103	RST CHIPR 10 KOHM +-5% 1/16W
R219	061G0402104	RST CHIPR 100 KOHM +-5% 1/16W
R212	061G0402182	RST CHIP 1K8 1/16W 5%
R105	061G0402202	RST CHIP 2K 1/16W 5%
R106	061G0402202	RST CHIP 2K 1/16W 5%
R202	061G0402223	RST CHIPR 22 KOHM +-5% 1/16W
R204	061G0402390 0F	RST CHIP 390R 1/16W 1%
R229	061G0402390 1F	RST CHIPR 3.9KOHM +-1% 1/16W
R228	061G0402390 1F	RST CHIPR 3.9KOHM +-1% 1/16W
R109	061G0402471	RST CHIPR 470 OHM +-5% 1/16W
R216	061G0402471	RST CHIPR 470 OHM +-5% 1/16W
R120	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R121	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R134	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R404	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R218	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R217	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R135	061G0402472	RST CHIPR 4.7 KOHM +-5% 1/16W
R304	061G0402473	RST CHIPR 47 KOHM +-5% 1/16W
R208	061G0402682	RST CHIP 6K8 1/16W 5%
R233	061G0402682	RST CHIP 6K8 1/16W 5%
R107	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R112	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R116	061G0402750	RST CHIPR 75 OHM +-5% 1/16W
R101	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R302	061G0805331	RST CHIPR 330 OHM +-5% 1/8W
C106	065G0402102 32	1000PF +-10% 50V X7R
C212	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C211	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C210	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C124	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C125	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C201	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C203	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C204	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C205	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C206	065G0402104 15	MLCC 0402 0.1UF K 16V X5R

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C207	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C208	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C411	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C410	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C409	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C405	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C401	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C302	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C301	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C231	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C229	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C228	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C227	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C226	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C225	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C223	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C219	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C217	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C216	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C215	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C214	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C213	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C112	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C115	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C117	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C118	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C119	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C120	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C121	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C122	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C123	065G0402104 15	MLCC 0402 0.1UF K 16V X5R
C222	065G0402220 31	CHIP 22PF 50V NPO
C221	065G0402220 31	CHIP 22PF 50V NPO
C103	065G0402220 31	CHIP 22PF 50V NPO
C102	065G0402220 31	CHIP 22PF 50V NPO
C114	065G0402224 17	CAP CER 0.22UF -20%-80%
C116	065G0402224 17	CAP CER 0.22UF -20%-80%
C218	065G0402224 17	CAP CER 0.22UF -20%-80%
C224	065G0402224 17	CAP CER 0.22UF -20%-80%
C101	065G0402473 12	CHIP 0.047UF 16V X7R

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C105	065G0402473 12	CHIP 0.047UF 16V X7R
C107	065G0402473 12	CHIP 0.047UF 16V X7R
C109	065G0402473 12	CHIP 0.047UF 16V X7R
C110	065G0402473 12	CHIP 0.047UF 16V X7R
C113	065G0402473 12	CHIP 0.047UF 16V X7R
C104	065G0402509 31	CHIP 5PF 50V NPO
C108	065G0402509 31	CHIP 5PF 50V NPO
C111	065G0402509 31	CHIP 5PF 50V NPO
FB301	071G 56K121 M	CHIP BEAD
FB201	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL
FB203	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL
FB204	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL
FB205	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL
FB206	071G 56V301 B	CHIP BEAD FCM2012VF-301T07 BULLWILL
FB101	071G 59K190 B	19 OHM BEAD
FB102	071G 59K190 B	19 OHM BEAD
FB103	071G 59K190 B	19 OHM BEAD
D105	093G 64 42 P	BAV70 SOT23 BY PAN JIT
D101	093G 64 42 P	BAV70 SOT23 BY PAN JIT
D117	093G 6433S	DIODE BAV99 SEMTECH
D116	093G 6433S	DIODE BAV99 SEMTECH
D115	093G 6433S	DIODE BAV99 SEMTECH
D114	093G 6433S	DIODE BAV99 SEMTECH
D113	093G 6433S	DIODE BAV99 SEMTECH
D112	093G 6433S	DIODE BAV99 SEMTECH
D111	093G 6433S	DIODE BAV99 SEMTECH
D110	093G 6433S	DIODE BAV99 SEMTECH
D104	093G 6433S	DIODE BAV99 SEMTECH
D102	093G 6433S	DIODE BAV99 SEMTECH
D103	093G 6433S	DIODE BAV99 SEMTECH
D106	093G 39GA01 T	RLZ5.6B
ZD106	093G 39GA01 T	RLZ5.6B
ZD105	093G 39GA01 T	RLZ5.6B
ZD104	093G 39GA01 T	RLZ5.6B
ZD103	093G 39GA01 T	RLZ5.6B
ZD102	093G 39GA01 T	RLZ5.6B
ZD101	093G 39GA01 T	RLZ5.6B
D118	093G 39GA01 T	RLZ5.6B
D109	093G 39GA01 T	RLZ5.6B
D108	093G 39GA01 T	RLZ5.6B

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D107	093G 39GA01 T	RLZ5.6B
	715G2698 3	MAIN BOARD PCB
	KEPC7QK7	KEY BOARD
CN001	033G3802 6H	WAFER 6P RIGHT ANGLE PITCH 2.0
SW005	077G610D 1 WB	TACT SW+LED
Q001	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q002	057G 417 4	PMBS3904/PHILIPS-SMT(04)
R002	061G0603000	RST CHIPR 0 OHM +-5% 1/10W
R004	061G0603102	RST CHIP 1K 1/10W 5%
R001	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R003	061G0603202	RST CHIPR 2 KOHM +-5% 1/10W
R005	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
R006	061G0603472	RST CHIPR 4.7KOHM +-5% 1/10W
SW001	077G 605 1 AL GP	SMD SWITCH
SW003	077G 605 1 AL GP	SMD SWITCH
SW004	077G 605 1 AL GP	SMD SWITCH
SW002	077G 605 1 AL GP	SMD SWITCH
ZD006	093G 64 59 SU	ESD MLVS0603M04 0603
ZD007	093G 64 59 SU	ESD MLVS0603M04 0603
ZD008	093G 64 59 SU	ESD MLVS0603M04 0603
	715G2834 1	KEYBOARD PCB
	PWPC942SEE1	POWER BOARD
	040G 45762420A	LABEL 25X6MM
GND1	009G6005 1	GROUND TERMINAL
CN801	033G8021 2E F	WAFER
CN802	033G8021 2E F	WAFER
CN803	033G8021 2E F	WAFER
CN804	033G8021 2E F	WAFER
	051G 6 4503	GLUE_RTV
IC903	056G 139 3A	IC PC123Y22FZ0F
NR901	061G 58080 WT	8 OHM NCT
R908	061G152M104 64	100KOHM 5% 2W
R914	061G152M228 64	0.22 OHM 5% 2W
C903	063G107K474 6S	CAP X2 0.47UF K 275VAC
C801	065G 6J1006ET	10PF 5% SL 6KV
C811	065G 6J1006ET	10PF 5% SL 6KV
C901	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C902	065G305M1022BP	Y2 1000PF M 250VAC Y5P
C921	065G306M4722BP	4700PF +-20% 400VAC
C905	067G 40Z10115K	CAP 105℃ 100UF M 450V

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C802	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES
C803	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES
C922	067G215D4714KV	E.C 105℃ CAP 470UF M 25V ED SERIES
C917	067G215D6814KV	CAP 105℃ 680UF M 25V
C918	067G215D6814KV	CAP 105℃ 680UF M 25V
C939	067G215S1024KV	EC 105℃ CAP 1000UF M 25V
C915	067G215S4713KV	EC 105℃ CAP 470UF M 16V
L901	073G 174 76 H	FILTER
T802	080GL19T 24 YS	X'FMR 740MH YS04170157
T801	080GL19T 24 YS	X'FMR 740MH YS04170157
CN901	087G 501 37 S	AC INLET ST-01DG-B2K-K
BD901	093G 50460 28	BRIDGE DIODE KBP208G LITEON
D907	093G3006 1 1	31DQ06FC3 NIHON INTER
CN902	095G8014 9D 57	HARNESS 9P-9P 210MM
	705G 193 57 01	Q901 ASS'Y
	051G 200 1	OIL FOR DISAPPEAR
Q901	057G 667 21	STP10NK70ZFP
	090G6263 1	HEAT SINK
	AM1G1730 8120 GP	SCREW
	705G 193 93 01	D906 ASS'Y
	051G 200 1	OIL FOR DISAPPEAR
D906	093G 60218	SB10100FCT
	AM1G1730 8120 GP	SCREW
	Q90G6274 2	HEAT SINK
IC801	056G 379 22	IC TL494IDR SOIC-16
IC901	056G 379 71	IC TEA1530AT/N2 SO-8 NXP
Q902	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q811	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q807	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q806	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q801	057G 417 4	PMBS3904/PHILIPS-SMT(04)
Q812	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q804	057G 417 6	PMBS3906/PHILIPS-SMT(06)
Q809	057G 759 2	RK7002
Q810	057G 759 2	RK7002
Q808	057G 760 4B	PDTA144WK SOT346
Q805	057G 760 5B	PDTC144WK SOT346
Q803	057G 763 14	AM9945N
Q802	057G 763 14	AM9945N
R942	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W

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R925	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R826	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R824	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R822	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R821	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R818	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R812	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R809	061G0603100 1F	RST CHIPR 1 KOHM +-1% 1/10W
R817	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R828	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R832	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R833	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R834	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R808	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R813	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R926	061G0603100 2F	RST CHIPR 10 KOHM +-1% 1/10W
R827	061G0603102	RST CHIP 1K 1/10W 5%
R862	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R835	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R803	061G0603105	RST CHIPR 1 MOHM +-5% 1/10W
R801	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R814	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R815	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R816	061G0603150 1F	RST CHIPR 1.5 KOHM +-1% 1/10W
R924	061G0603152	RST CHIPR 1.5 KOHM +-5% 1/10W
R831	061G0603240 1F	RST CHIPR 2.4 KOHM +-1% 1/10W
R930	061G0603240 1F	RST CHIPR 2.4 KOHM +-1% 1/10W
R811	061G0603240 1F	RST CHIPR 2.4 KOHM +-1% 1/10W
R940	061G0603330 2F	RST CHIPR 33 KOHM +-1% 1/10W
R927	061G0603360 1F	RST CHIPR 3.6 KOHM +-1% 1/10W
R819	061G0603362	RST CHIPR 3.6 KOHM +-5% 1/10W
R823	061G0603362	RST CHIPR 3.6 KOHM +-5% 1/10W
R861	061G0603390 3F	RST CHIPR 390 KOHM +-1% 1/10W
R807	061G0603470 2F	RST CHIPR 47 KOHM +-1% 1/10W
R820	061G0603470 2F	RST CHIPR 47 KOHM +-1% 1/10W
R806	061G0603680 2F	RST CHIPR 68 KOHM +-1% 1/10W
R854	061G0603680 2F	RST CHIPR 68 KOHM +-1% 1/10W
R853	061G0603680 2F	RST CHIPR 68 KOHM +-1% 1/10W
R841	061G0603680 2F	RST CHIPR 68 KOHM +-1% 1/10W
R851	061G0603912	RST CHIPR 9.1 KOHM +-5% 1/10W

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R850	061G0805000	RST CHIPR 0 OHM +-5% 1/8W
R839	061G0805000	RST CHIPR 0 OHM +-5% 1/8W
R804	061G0805101	RST CHIPR 100 OHM +-5% 1/8W
R929	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R917	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R911	061G0805102	RST CHIPR 1KOHM +-5% 1/8W
R938	061G0805103	10 KOHM 1/10W
R916	061G0805152	RST CHIPR 1.5 KOHM +-5% 1/8W
R829	061G0805220	22&8 1/10W
R825	061G0805220	22&8 1/10W
R912	061G0805220 2F	RST CHIPR 22 KOHM +-1% 1/8W
R915	061G0805224	RST CHIPR 220 KOHM +-5% 1/8W
R837	061G0805473	RST CHIPR 47 KOHM +-5% 1/8W
R810	061G0805510 2F	RST CHIPR 51 KOHM +-1% 1/8W
R931	061G0805822	RST CHIPR 8.2 KOHM +-5% 1/8W
JR802	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR804	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR805	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR807	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR808	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR809	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR901	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR801	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
JR803	061G1206000	RST CHIPR 0 OHM +-5% 1/4W
F801	061G1206000 4	RST CHIPR 0 OHM +-5% 1/4W
F902	061G1206000 4	RST CHIPR 0 OHM +-5% 1/4W
R967	061G1206000 4	RST CHIPR 0 OHM +-5% 1/4W
R909	061G1206100	RST CHIP 10R 1/4W 5%
R910	061G1206100	RST CHIP 10R 1/4W 5%
R962	061G1206101	100 1206
R961	061G1206101	100 1206
R935	061G1206101	100 1206
R920	061G1206101	100 1206
R919	061G1206101	100 1206
R918	061G1206101	100 1206
R921	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R922	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R923	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R928	061G1206102	RST CHIPR 1 KOHM +-5% 1/4W
R855	061G1206150	RST CHIPR 15 OHM +-5% 1/4W

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R857	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R856	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R858	061G1206150	RST CHIPR 15 OHM +-5% 1/4W
R904	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R932	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R933	061G1206472	RST CHIPR 4.7 KOHM +-5% 1/4W
R901	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R902	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
R903	061G1206684	RST CHIPR 680 KOHM +-5% 1/4W
C842	065G0603103 12	CHIP 0.01UF 16V X7R
C924	065G0603103 12	CHIP 0.01UF 16V X7R
C807	065G0603104 22	CHIP 0.1UF 25V X7R
C821	065G0603104 22	CHIP 0.1UF 25V X7R
C825	065G0603104 22	CHIP 0.1UF 25V X7R
C834	065G0603104 22	CHIP 0.1UF 25V X7R
C823	065G0603222 22	CHIP 2200PF 25V X7R
C819	065G0603222 22	CHIP 2200PF 25V X7R
C816	065G0603222 22	CHIP 2200PF 25V X7R
C815	065G0603222 22	CHIP 2200PF 25V X7R
C910	065G0805102 32	CHIP 1000P 50VX7R 0805
C931	065G0805104 32	CHIP 0.1U 50V X7R
C930	065G0805104 32	CHIP 0.1U 50V X7R
C916	065G0805104 32	CHIP 0.1U 50V X7R
C907	065G0805104 32	CHIP 0.1U 50V X7R
C824	065G0805104 32	CHIP 0.1U 50V X7R
C805	065G0805104 32	CHIP 0.1U 50V X7R
C822	065G0805105 22	CHIP 1UF 25V X7R 0805
C911	065G0805105 22	CHIP 1UF 25V X7R 0805
C928	065G0805122 31	CHIP CAP 0805 1200PF J 50V NPO
C841	065G0805152 31	1.5NF/50V
C838	065G0805152 31	1.5NF/50V
C840	065G0805152 31	1.5NF/50V
C839	065G0805152 31	1.5NF/50V
C820	065G080522131G	220PF 50V NPO 2%
C909	065G0805224 32	0.22UF,K,50V,X7R
C845	065G0805225 12	CHIP 2.2UF 16V X7R 0805
C929	065G1206102 72	CHIP 1000PF 500V X7R
C912	065G1206102 72	CHIP 1000PF 500V X7R
D808	093G 64 38 D	DIODE BAW56 DIODES
D805	093G 64 38 D	DIODE BAW56 DIODES

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D903	093G 64 38 P	BAW56
D806	093G 6432S	IN4148W
D814	093G 6432S	IN4148W
D817	093G 6432S	IN4148W
D915	093G 6432S	IN4148W
D916	093G 6432S	IN4148W
D809	093G 6432S	IN4148W
D801	093G 6433P	BAV99
D802	093G 6433P	BAV99
D803	093G 6433P	BAV99
D804	093G 6433P	BAV99
ZD922	093G 39S 25 T	RLZ5.1B LLDS
ZD921	093G 39S 61 T	DIODE RLZ16B ROHM
ZD902	093G 39S 61 T	DIODE RLZ16B ROHM
	PW942HU1AIP	POWER BOARD
CN901	006G 31500	EYELET
NR901	006G 31502	1.5MM RIVET
T901	006G 31502	1.5MM RIVET
IC904	056G 158 12	KIA431A-AT/P TO-92
C938	065G 2K152 1T6921	1.5NF/2KV Y5P +-10%
C906	065G 2K152 1T6921	1.5NF/2KV Y5P +-10%
C908	067G215Y2207KT	CAP 105℃ 22UF M 50V KINGNICHI
FB901	071G 55 29	FERRITE BEAD
F901	084G 55 1W	FUSE 4A 250V WICKMANN
D901	093G 6038P52T	PS102R
D900	093G1100 1152T	DIODE PR1007R 1A/1000V DO-41
	715G2538 4	POWER BOARD PCB FR-1 160*124MM SS
L902	S73G17465VW	LINE FILTER ASS'Y
L904	S73G25391V1	CHOKE COIL ASS'Y
L903	S73G25391V1	CHOKE COIL ASS'Y
T901	S80GL19T23V	TRANSFORMER ASS'Y
	Q07G 7 T 83	COMPOUND PALLET
	Q20G6036 1 30	FUNCTION-KEY-COAT
	Q33G0164 AIC1C	POWER-KEY
	Q34G0242AEDC1B	BEZEL(L19-7K12)
	Q40G 19N61554A	RATING LABEL
	Q40G0001624 4A	PALLET LABEL
	Q40G000262410A	VISTA LABEL
	Q40G000262417A	POP LABEL
	Q41G780A61540A	QSG FOR 917VW

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	Q44G9094101	EPS
	Q44G9094201	EPS
	Q44G9094615 4A	19 LCD AOC CARTON
	Q45G 88606 R	PE BAG FOR BASE
	Q45G 88626 4 R	PE BAG FOR MONITOR
	Q52G6020 71	AOC PROTECT FILM
	Q45G 76 28 RN R	PE BAG MANUAL
	Q70G9002615 9A	CD MANUAL
	026G 800504 3	BARCODE LABEL
	040G 58162435A	P/N LABEL

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12. Different Parts List

Diversity of T97SMLNLUWMKHZ compared with T97SMLNCUWACHN		
Location	**Part No.**	**Description**
	089G412A18NIS3	POWER CORD/32E1818058
	Q40G0002634 1A	C-TICK LABEL
	Q52G 1185 66	BIG TAPE FOR AOC CARTON
	Q41G780A61549A	WARRANTY CARD FOR AUSTRALIAN
	Q70G9002615 9B	CD MANUAL
	Q26G 800504 2	BAR CODE LABEL

Diversity of T97SMLNMUWSDHN compared with T97SMLNCUWACHN		
Location	**Part No.**	**Description**
	040G 58160811A	GREEN DOT LABEL
	089G410A15N IS	POWER CORD WALL-OUT FOR UK
	Q34G0242AEDA1B	BEZEL (19")
	Q40G 19N61558A	RATING LABEL
	Q52G 1185 66	BIG TAPE FOR AOC CARTON
	Q26G 800504 2	BAR CODE LABEL

Diversity of T97SMLDTUWWRHZ compared with T97SMLNCUWACHN		
Location	**Part No.**	**Description**
	089G420A18N IS	POWER CORD 32-D001922
	Q26G 800504 2	BAR CODE LABEL
	Q40G 19N61561B	RATING LABEL
	041G780061537A	TCO'03 CARD
	Q44G9094615 7A	19 LCD AOC CARTON
	Q52G 1185 66	BIG TAPE FOR AOC CARTON

Diversity of T97SMLNCUWA2HN compared with T97SMLNCUWACHN		
Location	**Part No.**	**Description**
	052G 1185 1	BIG TAPE
E08903	089G1745GAA AC	DVI CABLE
	750GLS90M31DCN	PANEL LTM190M2-L31 8UP FQ SEC
	A15G0205 S2 7	MAIN FRAME

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